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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L

50X1-HUM

COUNTRY

China

REPORT

SUBJECT

Chinese Communist Exports

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Acl # 100

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export catalog of the China Resources Company

includes photographs, descriptions, and specifications of some fifty machines, including lathes, presses, knitting machines, bakery equipment, and other items. Other items, including diesel engines, air compressors, centrifugal pumps, drilling machines, a multi-tool semi-automatic lathe, complete equipment for manufacturing enamelware, and other manufactured products, are not illustrated but are described more or less briefly.

Attachment is not classified when detached from this report.

50X1-HUM

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C-O-N-F-I-D-E-N-T-I-A-L

50X1-HUM

STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC		BFC	X	Treas	X
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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

華潤公司

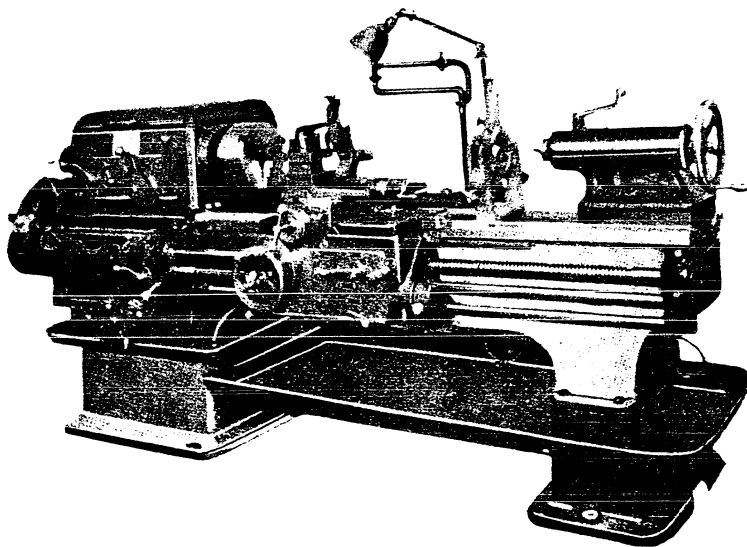
出口商品目錄

CHINA RESOURCES CO.
EXPORT CATALOGUE

地址:香港德輔道中 中國銀行大廈
ADDRESS: BANK OF CHINA BUILDING 2A DES VOEUX ROAD CENTRAL
CABLE ADDRESS: "CIRECO" HONGKONG

CODE : 6EM - 1003

普 通 車 床
ALL GEARED LATHE



中國機械進口公司經售

Exported by CHINA NATIONAL MACHINERY IMPORT CORPORATION

香港代理處：華潤公司

Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING

HONG KONG

CABLE ADDRESS: "CIRECO."

CODE: 6EM-1011

Capacity

Height of centers, mm	200
Maximum distance between centers, mm	750; 1000; 1500; 2000
Bar capacity, mm	37
Maximum swing over cross slide, mm	210
Maximum swing over bed ways, mm	400
Maximum length of turning (according to distance between centers), mm	650; 900; 1400; 1900
Threads that can be cut:	
Metric, pitch in mm	1—192
English, threads per inch,	24—2
Module	0.5—48
Diametral pitch	96—1

Carriage

Maximum travel (power or manual feed), mm:	
longitudinal (according to distance between centers)	650; 900; 1400; 1900
cross	280
Distance from tool bottom to center line, mm	25
Maximum swivel of top slide, deg	± 45

Spindle

Diameter of hole in spindle, mm	38
Taper hole in spindle	Morse No. 5

Tailstock

Taper hole in spindle	Morse No. 4
Maximum travel of spindle, mm	150
Setover on side, mm	± 15

Speeds and Feeds

Number of spindle speeds:	
Forward	21
reverse	12
Range of spindle speeds, r. p. m.:	
Forward	11.5—1200
reverse	18—1520
Number of longitudinal and cross feeds	35
Range of feeds, mm per revolution of spindle:	
longitudinal	0.08—1.59
cross	0.027—0.52

Drive

220/380 volt, 3 phase, 50 cycle A. C., motors:	
Main drive:	
power, kw	7
speed, r. p. m.	1440
Coolant pump:	
power, kw	0.125
speed, r. p. m.	2850

Space Occupied

Overall length (according to distance between centers), mm	2400; 2650; 3180; 3680
Overall width, mm	1580
Height of machine, mm	1210

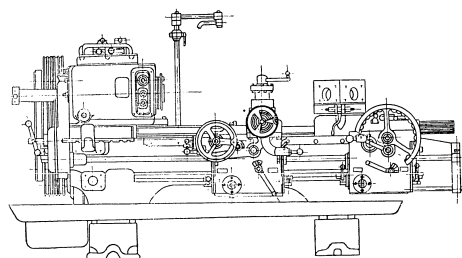
Weight

Net weight (according to distance between centers), kg ... approx.	1930; 2010; 2100; 2280
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N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

六角車床

TURRET LATHE



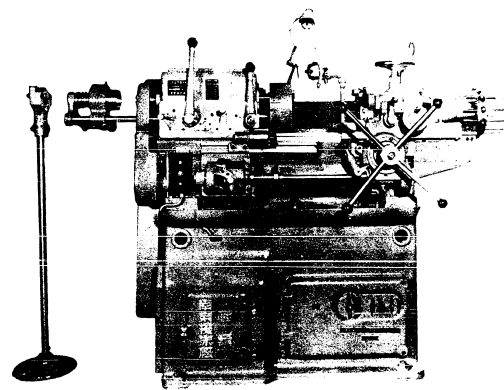
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 HONG KONG
 CABLE ADDRESS: "CIRECO."

CODE: 6EM - 1012

Capacity	
Height of centers, mm	210
Distance, end of spindle to turret face, mm:	
minimum	260
maximum	1177
Maximum swing, mm:	
over carriage	420
over cross slide	350
over bed ways	440
Hexagon Turret	
Total longitudinal travel (by power and manually), mm	917
Carriage and Cross Slide	
Total longitudinal travel of carriage (by power and manually), mm	1012
Total cross travel of slide, mm	259
Speeds and Feeds	
Number of spindle speeds	12
Range of spindle speeds, r. p. m.:	
forward	44—1000
reverse	48—1094
Number of turret, carriage and cross slide feeds	16
Range of turret and carriage longitudinal feeds, mm per revolution of spindle	0.07—2.29
Range of cross slide feeds, mm per revolution of spindle	0.03—1.00
Drive	
220/380 volt, 3 phase, 50 cycle A. C. motor:	
power, kw	10
speed, r. p. m.	1500
Space Occupied	
Floor space, mm	3200 x 1780
Height of machine, mm	1450
Weight	
Net weight, kg	approx. 2980

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

六角車床 TURRET LATHE



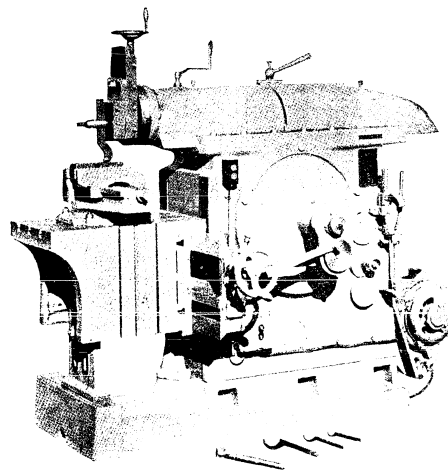
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Centre height	115 mm
Distance, spindle nose to turret	90-400 mm
Spindle hole, diameter	26 mm.
Maximum size of bar to be turned:	
Circular diameter	25 mm
Square	18 mm
Hexagonal	21 mm
Maximum length to be turned	150 mm
Maximum chucking diameter	
Swing over carriage	250 mm
Swing over bed	300 mm
Maximum longitudinal traverse of turret	330 mm
No. of spindle speeds	6
Range of spindle speeds	140-1380 rpm.
No. of longitudinal feeds of turret	4
Range of longitudinal feeds of turret per revolution of spindle	0.06-0.25 mm.
Space required (L x W x H)	1815 x 740 x 1290
Nett weight approximately	900 kg.
Electric drive motor, A. C. 3φ, 50 c. 2.2 kw. 1450 rpm and 220/380 volts supply.	

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: 6EM-1013

牛 頭 鉋 床 CRANK SHAPER



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CODE: 6EM-1014

Capacity

Length of ram stroke, mm:	
Minimum	95
Maximum	650
Distance from lower edge of ram to table, mm:	
Minimum	65
Maximum	370
Maximum distance from tool bottom to bed, mm	700

Table

Working surface of table, mm:	
Top	550 × 450
Side	450 × 400
Saddle of table	450 × 400

Maximum table traverse, mm:	
Horizontal (power and hand)	600
Vertical (by hand)	300

Ram and Tool Head

Maximum adjustment of ram (each side of center), mm	±250
Maximum swivel of tool holder (each side of center)	±20°
Maximum size of tool shank, mm	20 × 30
Maximum vertical travel of tool slide (by hand), mm	175
Maximum swivel of tool head (each side of center)	±60°

Note: ±60° swivel is allowed when clearance between tool head and bed guides is not less than 10 mm. In all other cases swivel of ±20° is allowed.

Speeds and Feeds

Number of ram double strokes per minute	12.5; 17.9; 25; 36.5; 52.5; 73
Table horizontal feeds, mm per double stroke of ram:	
Minimum (per 1 tooth of ratchet)	0.33
Maximum (per 10 teeth of ratchet)	3.33

Drive

220/380 velt, 3 phase, 50 cycle A. C. motor:	
Power, kw	3.5
Speed, r. p. m.	960

Space Occupied

Floor space, mm	2500 × 1450
Height of machine, mm	1750

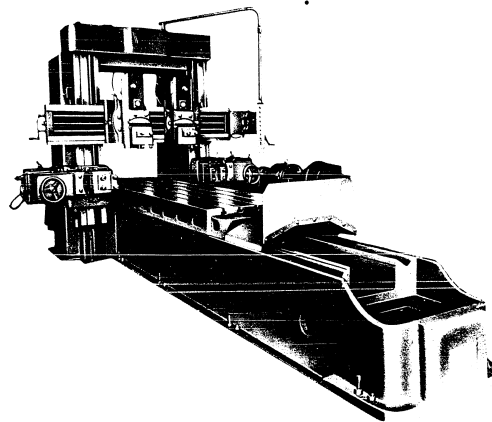
Weight

Net weight, kg	approx. 1850
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N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

龍 門 鉋 床

DOUBLE HOUSING PLANER



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CODE: 6EM-1019

Capacity

Distance from table to vertical tool head, mm:	0
Minimum	890
Maximum	
Distance between axes of vertical tool heads, mm:	290
Minimum	1470
Maximum	265
Maximum extension of side and vertical tool heads, mm	1000
Maximum width planned, mm	850
Maximum height planned, mm	3000
Maximum length planned, mm	5000
Maximum weight of work piece admitted, kg	

Table

Working surface of table, mm	3000x900
Number of T-slots	5
Width of T-slots, mm	28
Distance between slots, mm	150

Speeds and Feeds

Range of table cutting speeds, m/min.	5—75
Range of table return speeds, m/min.	15—75
Range of feeds of vertical tool heads per double stroke, mm:	
Vertical	0.125—6.2
Horizontal	0.5—25
Range of vertical feeds of side tool heads per double stroke, mm	0.25—11.5
Speed of rapid power traverse, m/min:	
Vertical heads:	
horizontal/vertical	2.33/0.585
Side heads: Vertical	1.07
Power travel of cross rail, m/min	0.5

Drive

Number of electrical units	13
Motor-generator unit:	
Power of asynchronous motor, kw	40
Speed, r. p. m.	1460
Head feed motors: (3 pcs)	
Power, kw	1.7
Speed, r. p. m.	1430
Cross rail elevating motor:	
Power, kw	1.7
Speed, r. p. m.	1430
Cross rail clamping motor:	
Power, kw	0.6
Speed, r. p. m.	1410

Space Occupied

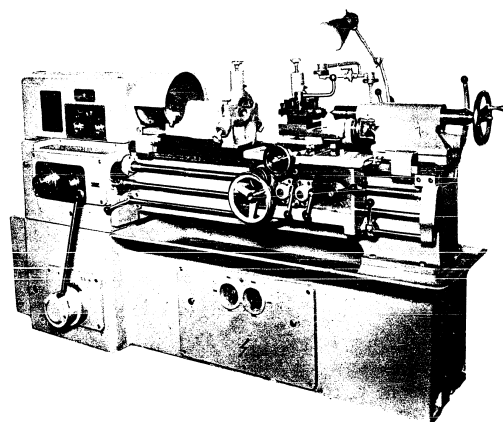
Floor space, mm	7200x3650
Height of machine, mm	2680

Weight

Net weight, kg	approx. 20500
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N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

普通車床 ALL GEARED LATHE



中國機械進口公司經售

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HONG KONG

CABLE ADDRESS: "CIRECO."

CODE: 6EM - 1021

Capacity

Height of centers, mm	160
Maximum distance between centers, mm	750
Bar capacity, mm	29
Swing over cross slide, mm	175
Swing over bed ways, mm	320
Threads that can be cut:	
Metric pitch in mm	0.5—9
English, threads per inch	38—2
Module	0.5—9

Carriage

Maximum travel (power or manual feed), mm:	
longitudinal	850
cross	210
Distance from tool bottom to center line, mm	20
Maximum distance from center line to the face of tool holder, mm	185
Maximum size of tool, mm	20 X 20

Spindle

Diameter of hole in spindle, mm	30
Taper hole in spindle	Morse No. 5

Tailstock

Taper hole in spindle	Morse No. 4
Maximum travel of spindle, mm	95
Setover on side, mm	± 10

Speeds and Feeds

Number of spindle speeds (forward and reverse)	12
Range of spindle speeds, r. p. m.	44—1980
No. of feeds of slide, longitudinal and cross	140
Range of feeds of slide mm per revolution of spindle:	
longitudinal	0.06—3.34
cross	0.044—2.47

Drive

220/380 volt, 3 phase, 50 cycle A. C. motors:

Main drive:	
power, kw	4.5
speed, r. p. m.	1440
Coolant pump:	
power, kw	0.125
speed, r. p. m.	2850
Lubricating pump:	
power, kw	0.125
speed, r. p. m.	2850

Space Occupied

Floor space, mm	2355 X 852
Height of machine, mm	1255

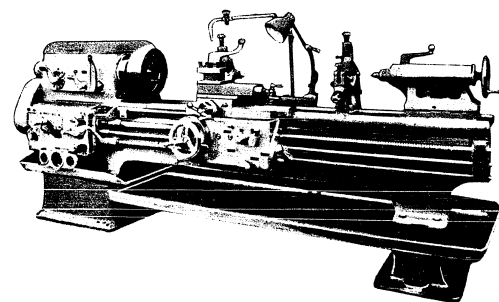
Weight

Net weight, kg	approx. 1950
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N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

普通車床

ALL GEARED LATHE



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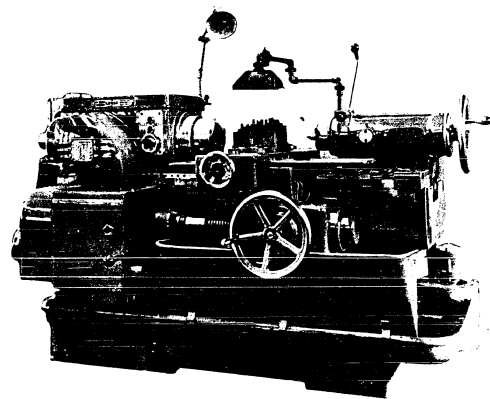
CODE: 6EM-1025

Height of center ...	200 mm
Distance between centers ...	1000 mm
Maximum turning diameter:	
round rod ...	37 mm
swing over carriage ...	210 mm
swing over bed ...	410 mm
Maximum turning length ...	900 mm
Thread cutting:	
metric threads, pitch ...	1—192 mm
whitworth threads, t.p.i. ...	24—2
module threads, M ...	0.25—48
UP threads, DP ...	96—1
Maximum traverse of carriage (mechanically or manually):	
longitudinal ...	900 mm
cross ...	280 mm
Height between tool supporting surface to center line ...	23 mm
Maximum traverse of tool post ...	100 mm
Maximum swivel of tool post ...	45°
Diameter of spindle bore ...	38 mm
Taper of spindle bore ...	Morse No. 5
Taper of center sleeve ...	Morse No. 4
Maximum traverse of center sleeve ...	150 mm
Maximum cross traverse of tailstock ...	15
No. of spindle speeds (normal/reverse) ...	18/9
Range of spindle speeds:	
Normal ...	12—600 rpm.
reverse ...	18—760 rpm.
No. of longitudinal and cross feeds of carriage ...	35
Range of feed of carriage per revolution of spindle:	
longitudinal ...	0.082—1.59 mm
cross ...	0.27—0.522 mm
Electric motor (3 phase A.C.) power/speed ...	4.5/1500 kw/rpm.
Overall dimensions (L x W x H) ...	2650x1580x1220
Nett weight approx. ...	2240 kg.
Electric drive equipments includes:	
1 main drive motor of 4.5 kw and 1500 rpm., AC 3 φ, 50 cycle, 220 380 v.	

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

半自動多刀車床

MULTI-TOOL SEMIAUTOMATIC LATHE



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Center height... .. 200 mm

Distance between centers (min./max.)... .. 200/500 mm

Maximum distance from spindle nose to center of tailstock 580 mm

Maximum turning diameter:

for bar 48 mm

swing over bed 410 mm

swing over carriage 300 mm

Maximum turning length (two cutters)... .. 460 mm

Maximum longitudinal traverse of carriage:

mechanically (turning) 250 mm

manually (adjusting) 325 mm

Maximum cross traverse of rear tool post:

mechanically (turning)/manually (adjusting) 235/225 mm

Maximum traverse of center socket 165 mm

Spindle speeds: 40, 52, 65, 84, 107, 129, 155, 187, 240, 310, 388, 500. rpm.

Longitudinal feed of carriage per 1 revolution of spindle:

0.12, 0.17, 0.23, 0.34, 0.49, 0.71, 0.97, 0.38. mm.

No. of cross feeds per each longitudinal feed. 12

Range of cross feeds of rear tool post per 1 revolution of spindle:.....0.16 - 2.37 mm.

3 phase A. C. Motors:

for main driving: power/speed 10/1455 kw/rpm.

for rapid adjustment at carriage: power speed 1/1425 kw/rpm.

for coolant pump: power speed 0.15/2800 kw/rpm.

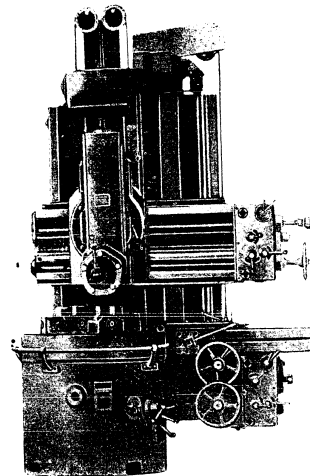
Overall dimensions (L x W x H) 2200 x 1700 x 1240 mm.

Net weight approx. 3000 kg.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: 6EM-1026

單柱立式車床 VERTICAL BORING MILL



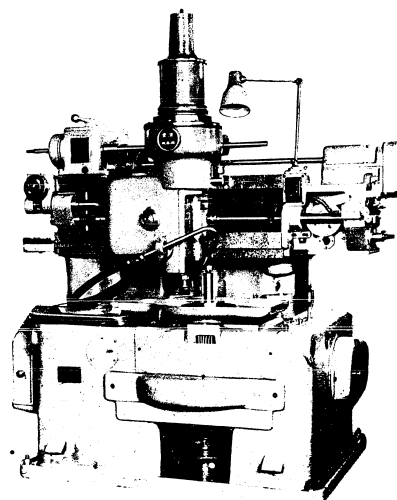
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CODE: 6EM-1031

Diameter of table	1030 mm.
Distance between center of table and surface of column	625 mm.
Maximum turning diameter:	
with vertical head	1250 mm.
with side tool head	1120 mm.
Boring diameter (by rotary tool post or vertical tool head) minimum/maximum	120/1250 mm.
Maximum height of workpiece	1000 mm.
Maximum weight of workpiece	2000 mm.
Turning length by side tool head:	
on working table	730 mm.
outside working table	960 mm.
Diameter of workpiece to be clamped,	
minimum/maximum	70-900 mm.
Maximum traverse of vertical tool head (mechanically or manually),	
horizontal/vertical	750/700 mm.
Maximum swivel of vertical tool head	45°
Maximum traverse of side tool head (mechanically or manually),	
horizontal/vertical	600/960 mm.
Spindle bore of table	150 mm.
No. of table speeds	12
Range of table speeds	7.5-150 rpm.
No. of feeds of vertical tool head and side tool head	8
Feed per revolution of table	0.23-8.4 mm.
Rapid traverse of vertical tool head & side tool head	2 m/min.
Rapid elevating speed of rail	0.5 m/min.
3 φ A. C. motor:	
for main drive: output/speed	22/1460 kw rpm.
for rapid adjustment: output speed	1.7-930 kw rpm.
Overall dimensions (L x W x H)	2350 x 2185 x 3815 mm
Net weight approx.	10000 kg.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

插 齒 機 GEAR SHAPER



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CODE: 6EM-1034

Capacity

Distance between work spindle face and cutter shoulder at maximum eccentricity of crank pin, mm:

maximum	160
minimum	35
Module that can be cut, mm	2-6

External diameter of spur and helical gears, mm:

maximum	462
minimum	20
Maximum external diameter of work when cutting internal teeth, mm	550
Maximum face width that can be cut, mm	105
Maximum helix angle for helical gears	23°

Cutter Saddle

Maximum length of cutter spindle stroke, mm	125
Maximum longitudinal cutter saddle traverse, mm	510

Work Spindle Apron

Maximum relieving movement of apron, mm	0.5
Diameter of work spindle flange, mm	240
Maximum distance between centers of work and cutter, mm	350

Speeds and Feeds

Number of cutter strokes per minute	125; 179; 253; 359
Rotary feeds, mm per stroke of cutter	0.17; 0.21; 0.24; 0.30; 0.35; 0.44

Drive

220 380 volt, 3 phase, 50 cycle A. C. motors:

Main drive:	
power, kw	2.8
speed, r. p. m.	1437

Rapid rotation of work spindle:

power, kw	0.6
speed, r. p. m.	1440

Coolant pump:

power, kw	0.25
speed, r. p. m.	2820

Space Occupied

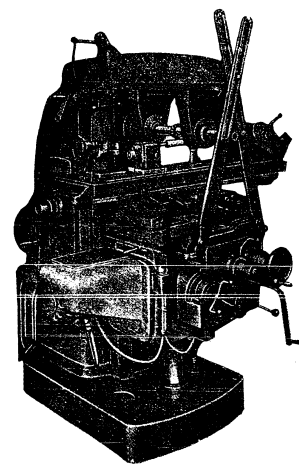
Floor space, mm	1750 x 1270
Height of machine, mm	2060

Weight

Net weight, kg	approx. 3530
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萬 能 銑 床 UNIVERSAL MILLING MACHINE



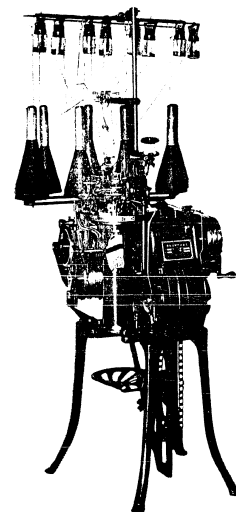
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CODE: RM - 2001

Capacity	
Working surface of table, mm	1000 x 250
Distance, center line of spindle to top of table, mm:	
Minimum	20
Maximum	350
Distance, face of column to center line of table, mm:	
Minimum	170
Maximum	370
Distance, center line of spindle to overarm, mm...	150
Maximum table traverse, mm:	
Longitudinal	650
Cross	200
Vertical	350
Maximum table swivel	$\pm 45^\circ$
Speeds and Feeds	
Number of spindle speeds	16
Range of spindle speeds, r. p. m.	65 1800
Number of table feeds	16
Range of table feeds, mm/min:	
Longitudinal	35 980
Cross	25 765
Vertical	12 380
Drive	
220/380 vclts, 3 phase, 50 cycle A. C. motors:	
Main drive:	
Power, kw	4.5
Speed, r. p. m.	1450
Feed drive:	
Power, kw	1.7
Speed, r. p. m.	1430
Coolant pump:	
Power, kw	0.1
Speed, r. p. m.	2800
Space Occupied	
Floor space, mm	1800 x 1470
Height of machine, mm	1590
Weight	
Net weight, kg	approx. 2100

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

B-3 型 橡 口 織 襪 機
AUTOMATIC HOSIERY MACHINE,
 FOR COLOUR STRIPED SOCKS WITH
 ELASTIC TOP
MODEL B-3



中國運輸機械進口公司經售
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 HONG KONG
 CABLE ADDRESS: "CIRECO."

CODE: RT-2002

Model B-3 differs from Model B-1 in such a way that it is provided with attachments for making colour striped hose with elastic top.

The colour stripe pattern is accomplished by means of a colour pattern drum and yarn changing fingers, it enables the knitting of a large variety of horizontal striped pattern. The colour pattern drum is mounted above the main pattern drum, latter being common to all Model B machines. For cutting the pattern yarns, an automatic cutter is fitted to the colour pattern drum.

The machine is arranged with six yarn changing fingers for patterns in horizontal stripes of five different colours.

An elastic lay-in attachment is provided for insertion of rubber yarns in elastic tops. These elastic tops insure comfort in wear and will fit snugly to the leg.

Model B-3 embodies our latest improvements and designs and is worthy of recommendation. Besides, it produces colour striped hose which is well in demand in various countries of the world.

Specifications:

Number of Needles:

Available in cylinder diameters and number of needles as follows:—

3½" with 160, 176 and 188 needles.

3½" with 160, 176, 188 and 200 needles.

Power Required: 1-4 H. P.

Cylinder Speed: 200-220 rpm.

Drive Pulley: 7" dia. 3/4" width. Speed: 138-150 rpm.

Floor Space: Installation floor space 1'-6" x 2'-6"

Working space 2'-6" x 5'-0"

Production: Based on 8 working hours about 70 pairs of cotton socks.

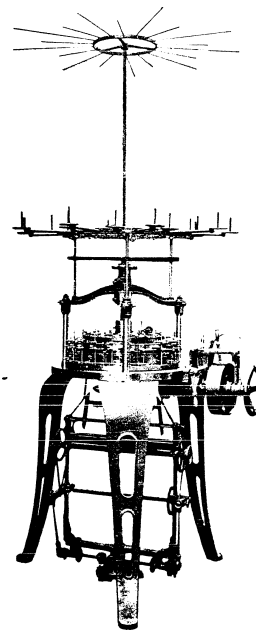
Packing: In wooden case.

Shipping Specification:

Net weight 385 lbs. Gross weight 500 lbs. Measurement: 27" x 30" x 34".

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

棉毛織機 (又名雙面機) INTERLOCK KNITTING MACHINE



中國運輸機械進口公司經售

Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處：華潤公司

Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING

HONG KONG

CABLE ADDRESS: "CIRECO."

CODE : RT - 2003

This machine is a multiple-feed, circular, latch-needle interlock stitch knitting machine of non-sinker type, designed for producing interlock fabrics in either plain colours or a wide range of horizontal stripes. With modification of its parts, it can produce towel fabrics.

The planned body size comes right off the machine, eliminating the slitting and sewing of side seams.

Outstanding advantages of the machine are:—

SIMPLIFIED MAINTENANCE-ECONOMY IN SPACE

Construction: The machine features tripod construction; positive clutch; brass cut cylinder and dial; hardened needle cams for cylinder and dial; stationary bobbin stand; revolving take-up and cloth roll-up; fabric stop motion.

Number of Feeds: The machine is built in different cylinder diameters with corresponding number of feeds as follows:—

14" - 14 feeds; 15" - 16 feeds; 16" - 16 feeds;
17" - 18 feeds; 18" - 18 feeds; 19" - 20 feeds;
20" - 20 feeds; 21" - 22 feeds.

Gauge: The cylinder and dial can be supplied in different gauges (number of needles per inch) to suit the counts of cotton yarn handled. For example, when using 20/1 cotton yarn, we recommend 17 needles per inch for fine quality fabrics and 13-14 needles per inch for second quality.

Speed: For 18" diameter machine, the cylinder speed is 18 revolutions per minute.

Power required: 3/4 HP in case of individual drive.
3 HP for 6 machines in case of group drive.

Output: The output increases or decreases depending on the skill of the operator, gauge and diameter, count of yarn, etc. Average 280-440 ounces in 8 hours.

Width of Fabric: The width of fabric depends on the diameter of the machine, kind of material, count of yarn, etc. When using cotton of medium counts, we recommend diameter of machine as follows:—

For Underwear:

Diameter of machine	17" 18" 19" 20" 21"
Open width of fabric	32" 34" 36" 38" 40"

For slitting trousers:

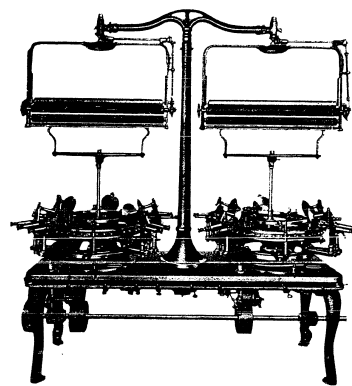
Diameter of machine	19" 20" 21" 22"
Size of trousers	32" 34" 36" 38"

Data for 18" Diameter machine:

Installation floor space	3' 8" X 4' 4"
Working space required	5' 6" X 6' 6"
Net weight-880 lbs.	

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specifications.

複式汗絨針織機 (湯姆金機) SPRING NEEDLE KNITTING MACHINE



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
香港代理處：華潤公司
Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

COOE: RT - 2004

This machine is a multi-feed, circular spring needle knitting machine designed for producing cambric fabrics, common tissue or different weight of cotton flannel, and also plain colour imitation of camel hair fabrics. Equipped with additional pattern attachment, the machine can produce many different kinds of fancy knitted cloth. The machine is equipped with automatic take-up and rolling up of fabric as knit. Take up is suspended on ball bearing over the center of the cylinder and is constructed for variable production of fabric. Fabric stop motion is applied to each cylinder.

The machine can be arranged for individual or group drive. A positive clutch is provided on each cylinder facilitating starting of the machine.

Machines are built in two table sizes, A and B respectively, with two cylinders installed on the same table. Cylinders are available in two ranges, viz., for table size, A-16" to 20"; B-24" to 30". According to the cylinder diameters, 3 to 5 feeds are applied to each cylinder.

The gauge of the machine should be adapted to the kind of products.

We recommend cylinder gauges as follows:

PRODUCT	Cylinder Diameter Recommended	Cylinder Gauge	No. of Feeds Each Cylinder	Cotton Yarn Used
Tissue cloth	16"-20"	32, 34, 36, 40	4 or 5	65x1-405x1
Cotton flannel	24"-30"	20, 22, 24, 28	3	325x1-1005/2x1

Outstanding advantage of the machine is its capability of producing a large variety of fabrics with finest quality as is not possible with ordinary knitting machines.

The output depends on the skill of the operator, gauge and diameter, counts or yarns, etc., and average is:

For tissue cloth-500 to 700 ounces in 8 hours;

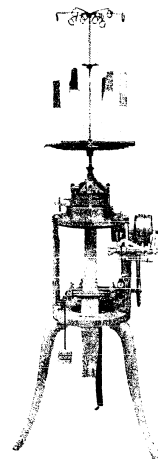
For cotton flannel-2,000 to 2,800 ounces in 8 hours.

DATA OF SPRING NEEDLE MACHINE

Table Size	A	B
Cylinder Diameter	16" to 20"	24" to 30"
Working Space Required	4'0" x 8'6"	5'0" x 9'0"
Horse Power Required	1½ HP	2 HP
Cylinder Speed	70-80 RPM	60-65 RPM
Net Weight	2,240 lbs.	2,700 lbs.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

電動領口羅紋機 AUTOMATIC RIB NECK KNITTING MACHINE



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
香港代理處：華潤公司
Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

This machine is used for knitting rib necks of underwears, stockinetes or sweaters.

Specification:- Available in different cylinder diameters with number of needles as follows:-
6", 3 Shuttles, 320-540 needles
6½", 3 Shuttles, 320-540 needles
7", 4 Shuttles, 320-540 needles

Power Required:- 1/2 HP for single machine, 1 HP for 3 machines in group drive

Cylinder Speed:- 75-80 rpm.

Weight:- Nett: 110 kgs. approx.
Gross: 150 kgs. approx.

Floor Space:- Space occupied 26" x 26"
Working space required 4' x 5'

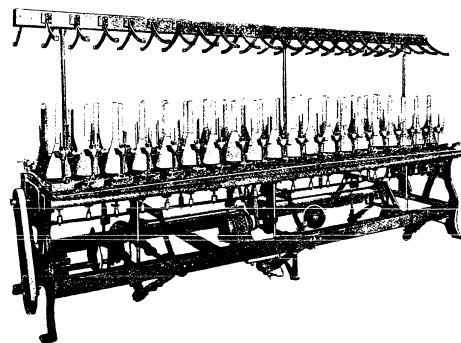
Attendance:- One person can operate 5-6 machines

Production:- Based on 10 working hours, 400-500 shi-liangs (12½-15½ kgs.) for 20s/2 yarn, and 300-500 shi-liangs for 42s/2 yarn.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-2005

紅木錠搖紗機 BOTTLE BOBBIN WINDING MACHINE



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
香港代理處：華潤公司
Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

CODE: RT-2006

This machine is used for winding yarns in skeins or rewinding yarns in bamboo reels into bottle bobbin.

Specification:- 36 spindles, 40 spindles

Power Required:- 1 HP. for 36 spindles machine, 1½ HP. for 40 spindles machine; driven by an electric motor with a speed of 960 r. p. m.

Speed:- Spindles speed: 800-1000 rpm
Driven pulley: 12"-12.3/8" diam.
280-300 rpm
Slow speed for winding from skeins and fast speed for rewinding from reels.

Nett Weight:- 800 kgs. for 36 spindles machine, 850 kgs. for 40 spindles machine.

Floor Space:- Space occupied:
36 spindles machine 13' x 4'
40 spindles machine 14' x 4'

Working space required:
36 spindles machine 14' x 8'
40 spindles machine 16' x 8'

Production:- In package of 3.75 kgs. per 10 working hours a day with 40 spindles, (for skein winding and rewinding)

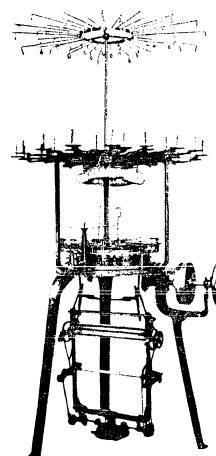
Single yarn:
50-60 for 6s., 8s.; 32-40 for 10s.
20-30 for 20s; 12-14 for 32s;
8-10 for 40s.

Twist yarn:
30-40 for 32s; 24-34 for 42s;
14-16 for 60s; 10-12 for 84s;
8-9 for 100s.

Advantages:- 1) Direct winding from skein to the bobbin
2) Suitable for 2 wide range of yarn 6s.-100s.
3) High production and low power consumption
4) Non stop bobbin changing.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

汗布機 (又名台木魯) BODY SIZE KNITTING MACHINE



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
香港代理處：華潤公司
Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIKECO."

CODE: RT-2607

This machine is a multiple feed, circular, latch-needle knitting machine of non-sinker type, designed for production of plain fabrics in either plain colours or a wide range of horizontal stripes. With modification of its parts, it can produce net fabrics.

The planned body size of the underwear comes right off the machine, eliminating the slitting and sewing of side seams.

Outstanding advantages of the machine are:-

SIMPLIFIED MAINTENANCE INCREASED PRODUCTION

Main Features:- The machine features tripod construction; positive clutch; brass cut cylinder; hardened needle cams; stationary bobbin stand; revolving take up and cloth roll up; fabric stop motion.

Number of Feeds:- The machine is available in different cylinder diameters with corresponding number of feeds as follows:-

13"-26 feeds; 14"-28 feeds; 15"-30 feeds;
16"-32 feeds; 17"-34 feeds; 18"-36 feeds;
19"-38 feeds; 20"-40 feeds;

Gauge:- The cylinder can be supplied in different gauges (number of needles per inch) to suit the counts of cotton yarn handled. For common plain fabrics, 19-20 needles per inch is recommended.

Speed:- For 18" diameter machine, the cylinder speed is 22 revolutions per minute.

Power required:- 3 HP in case of individual drive.
3 HP for six machines in case of group drive.

Output:- The output depends upon the skill of the operator, gauge and diameter, count of yarn, etc.

Average:-

When using 32 l and 40 l cotton yarns, 320-480 oz. in 8 hrs.
When using 16 l and 20 l cotton yarns, 480-640 oz. in 8 hrs.

Width of Fabric:- The width of fabric depends on the diameter of the machine, kind of material, count of yarn, etc. When using cotton of medium counts, we recommend diameter of machine as follows:-

For Underwear:-

Diameter of machine:- 16" 17" 18" 19" 20"
Open width of fabric:- 32" 34" 36" 38" 40"

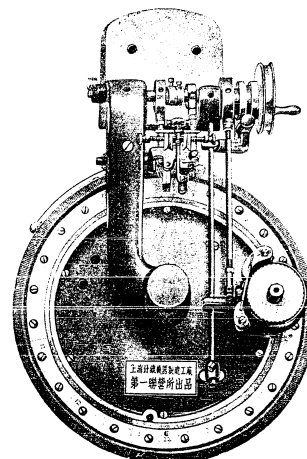
Data for 18" Diameter Machine:-

Installation floor space 3' 6" x 4' 4"
Working space required 5' 6" x 6' 6"
Net weight 660 lbs.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

縫襪頭機 (又名套口機)

LOCKSTITCH LOOPER



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處：華潤公司

Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING
HONG KONG

CABLE ADDRESS: "CIRECO."

This machine is used for looping toe-top hosiery or sleeves to knitted underwears.

Specification:- for toe-looping, looping points: 12, 14, 16, 18, 20, 22, 24, 26, 28, 30.

Power Required:- 1 HP for 12 machines

Machins Speed:- driving pulley 250-300 RPM

Nett Weight:- 80 kgs. approx

Floor Space:- Space occupied - 2' x 3'
Working space required - 3' x 6'

Attendance:- 1 to 3 operators for each machine

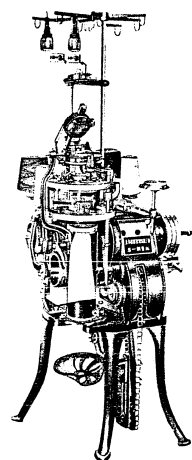
Production:- for toe-looping, 1 worker can loop 40 doz. pairs heavy hosiery or 20 doz. pairs light hosiery; for sleeve looping 15 doz. underwears, production being based on 10 working hours.

Advantages:- Occupies little space, low power consumption, little labour required, high production capacity.
Number of needles can be altered to suit fine or coarse knitted fabrics.
Guaranteed free from yarn breakage or other defects with production of high quality.
Can be arranged for treadle drive in case electric power is not available.

N.B.-For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-2008

高筒提花織襪機
AUTOMATIC FANCY HOSIERY KNITTING MACHINE
WITH HIGH NEEDLE CYLINDER



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
香港代理處：華潤公司
Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

CODE: RT-2009

This machine is adapted for knitting all kinds of new fancy socks. There are five yarn-fingers for inter-knitting yarns of 5 colours. The latch ring opens automatically subsequent to the completion of sock.

Specification:- Available in cylinder diameter of 3-12" with 160, 176, 188 and 200 needles.

Power Required:- 1 HP for each machine

Cylinder Speed:- 200-220 RPM

Weight:- Nett 170 kgs. for each machine

Floor Space:- Space occupied-1'-6"x2'-6"
Working space required 2'-6"x5'-0"

Attendance:- One operator can handle 2-3 machines

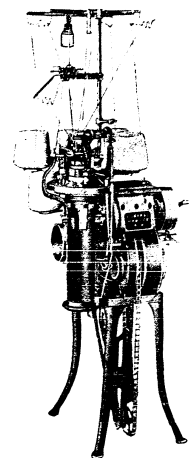
Production:- Based on every 10 working hours about 6 doz. pairs of socks

Advantages:- Low power consumption, high production capacity
Suitable for knitting socks of mercerized cotton yarn or artificial silk.
Welt can be knitted with any desired elasticity sole size and heel height can be adjusted by the chain.
A wide range of patterns possible by simply adjusting the pattern wheel and jacks.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

開式電力織襪機

AUTOMATIC HOSIERY KNITTING MACHINE MODEL K



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
香港代理處：華潤公司
Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

CODE: RT-2010

This machine is specially manufactured for knitting fashionable seamless stockings. The welt transfer and hosiery fashion are knitted automatically.

Specification:- The machine is available in different cylinder diameters and number of needles as follows:-
 3" Diam. 96, 120, 140 needles for 6s and 20s counts yarn.
 3½" Diam. 160, 176, 188, 200 needles for 32s/2 and 42s/2 counts yarn.
 3¾" Diam. 220, 240, 260, 280 needles for 60s/2 and 84s/2 counts thread.

Power Required:- ½ HP for single machine, 5 HP for 12 machines in case of group drive.

Cylinder Speed:- 240-260 RPM

Weight:- Nett 160 kgs., gross 180 kgs.

Floor Space:- Space occupied: 1' 6" x 2' 6"
 Working space required: 2' 6" x 5' 0"

Attendance:- One operator can handle 6-12 machines.

Production:- Based on 10 working hours:
 3" Cylinder diam. machine: 5-8 doz. pairs of socks.
 3½" " " " : 4-5 doz. pairs of socks.
 3¾" " " " : 2-4 doz. pairs of socks.

Advantages:- Automatically knits welt, simple operation, low power consumption, high production capacity, smooth and first class products possible.

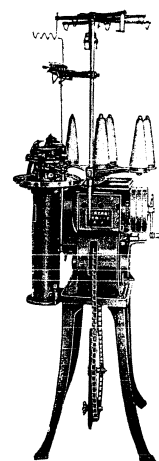
Handles mercerized cotton yarn, cotton threads etc.

Welt can be knitted with any desired elasticity, sole size and heel height can be adjusted by the chain.

Stop motion in case of needle breakage by signal bell.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

皮式電力織襪機 AUTOMATIC HOSIERY KNITTING MACHINE MODEL B



中國運輸機械進口公司經售
 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
 香港代理處：華潤公司
 Hong Kong Agency: CHINA RESOURCES CO.
 BANK OF CHINA BUILDING
 HONG KONG
 CABLE ADDRESS: "CIRECO."

CODE: RT - 5001

This machine is specially manufactured for knitting socks after the rib top is completed. It is to be fixed on the cylinder provided with equal number of needles to complete knitting of the rib top sock.

Specification:- Available in different cylinder diameters with number of needles as follows:-
 3" Cylinder diam. 96, 120, 140 needles for 6s and 20s counts yarn.
 3½" Cylinder diam. 160, 176, 188, 200 needles for 32s/2 and 42s/2 counts thread.
 3¾" Cylinder diam. 200, 220, 260, 280 needles for 60s/2 and 84s/2 counts thread.

Power Required:- ½ H.P. for single machine, 5 H.P. for 12 machines in case of group drive.

Cylinder Speed:- 260-285 RPM.

Weight:- Nett 150 kgs., gross 170 kgs.

Floor Space:- Space occupied 1'-6" x 2'-6"
 Working space required 2'-6" x 5'-0"

Attendance:- One operator can handle 2-3 machines

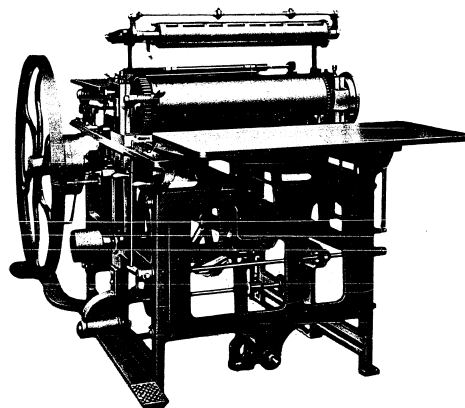
Production:- Based on 10 working hours.
 3" Cylinder diameter machine: 7-9 doz. pairs
 3½" " " " : 7-8 " "
 3¾" " " " : 5-6½ " "

Advantages:- Low power consumption, high production capacity.
 Handles mercerized cotton yarn, cotton threads, etc.
 Welt can be knitted with any desired elasticity, sole size and heel height can be adjusted by the chain.
 Stop motion in case of needle breakage by signal bell.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

四開鉛印機 (又名六度印刷機)

CYLINDER JOB PRESS,
 WITH FLYER DELIVERY
 MODE CJQ



中國運輸機械進口公司經售
 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
 香港代理處：華潤公司
 Hong Kong Agency: CHINA RESOURCES CO.
 BANK OF CHINA BUILDING
 HONG KONG
 CABLE ADDRESS: "CINECO."

Model CJQ is a stop-cylinder letter-press for ordinary job work. Constructional features include: carriage drive by rod motion with 2 roller tracks; cylinder inking unit with 3 inking rollers; ink box with duct blade. Delivery cylinder is of the clear off type and the rotation of the impression cylinder is stopped by a handle.

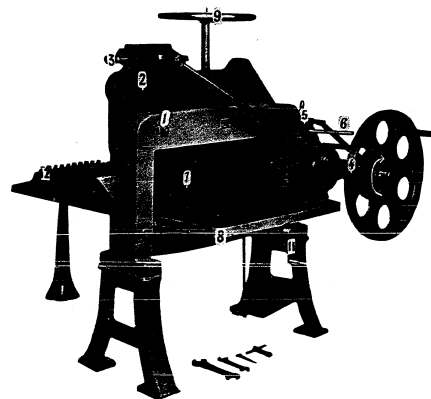
Paper is fed by hand and delivered to the pile board by flyer system. The press is arranged for motor drive but at the same time it can be driven by foot treadle.

Models:	CJQ
Sheet Size:	457 x 610 mm (18" x 24")
Type Bed:	483 x 635 mm (19" x 25")
Chase, inside measurement:	445 x 597 mm (17½" x 23½")
Type Matter Locked in Chase:	457 x 610 mm (18" x 24")
Impressions per Hour:	1500
Flywheel Revolutions per Impression:	
Installation Floor Space:	1800 x 1250 (72" x 50")
Pulley Diameter x Width:	300 x 50 mm (12" x 2")
Weight:	Net: 1100 kgs. approx. Gross: 1500 kgs. approx.
Shipping Space:	3 cubic meters approx

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT - 5002

對開切紙機
PAPER CUTTING MACHINE,
MODEL PC - 36



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
香港代理處：華潤公司
Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

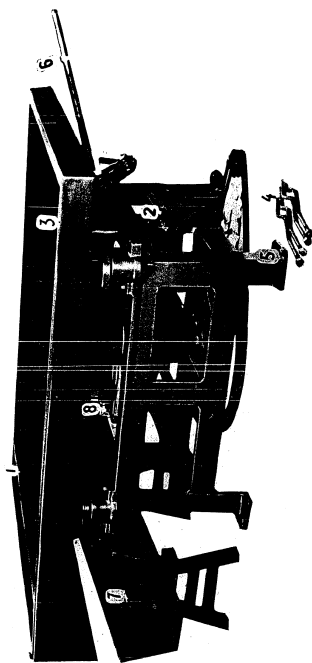
This machine is so arranged that it can be driven either by hand or by power. It is of sturdy construction and has a high production capacity. The knife is automatically disengaged at its highest position. The knife holder is provided with double side connecting rods for diagonal cutting. The height of the table can be adjusted to avoid under or over cutting. The back gauge is adjusted by means of spindle and crank. The pressing beam is operated by a hand wheel. For power drive, an electric motor of $1\frac{1}{2}$ H. P. is required. Starting and stopping of the machine are effected by a coupling clutch operated by a hand lever. This model is constructed for small enterprise, but can be utilized as a good auxiliary machine in large printing establishments.

Model:	PC-36
Length of Cut:	915 mm (36")
Height of Stack:	130 mm (5-1/8")
Table Surface:	1070 x 915 mm (42 1/2" x 36 1/2")
Installation Floor Space:	2060 x 2400 mm (82" x 96")
Weight:	Net: 1100 kg. approx. Gross: 1400 kg. approx.
Shipping Space:	2.5 cu. m. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-5003

全張磨鋅皮機 ZINC PLATE GRAINING MACHINE, MODEL GM



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處：華潤公司
HONG KONG Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

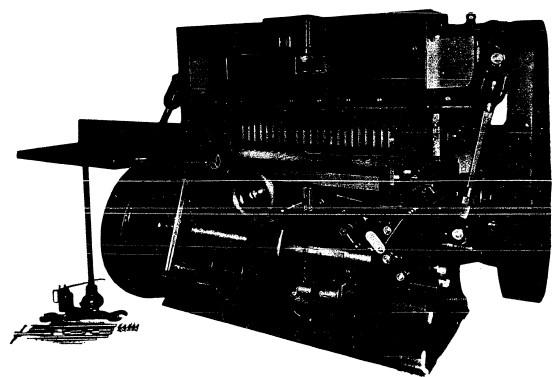
THIS MACHINE is for cleaning and graining zinc plates for offset works.
Glass, ceramic or steel marbles with sand are used, which may be supplied, if required.
It is directly driven by motor through vee belting.

Model:	GM
Inside Measurement of Box:	1730 x 1270 mm (68" x 50")
Speed:	120 rpm
Installation Floor Space	2000 x 1450 mm (80" x 58")
Motor:	1½ H. P.
Net Weight:	1150 kgs. approx.
Gross Weight:	1400 kgs. approx.
Shipping Space:	3.6 cu. m. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT - 5004

全張自動切紙機
AUTOMATIC PAPER CUTTING MACHINE,
MODEL PC - 50



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
香港代理處：華潤公司
Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

CODE: RT - 5005

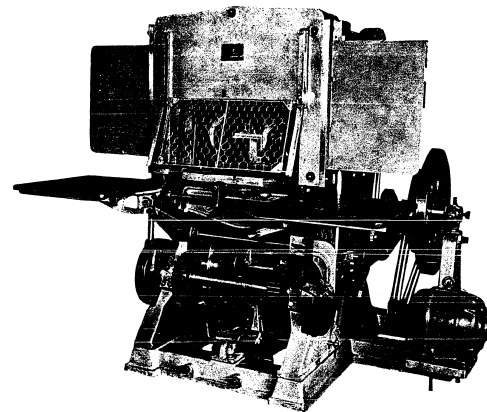
This machine is especially suitable for large factories desirous of having a modern machine of high output. Clamping of the material, cutting and raising of the knife take place automatically. The automatic clamping device acts immediately after the machine has been started; it transmits pressure upon the full depth of the pile. Mechanical forward and backward movement of the back gauge are controlled by a lever. The exact distance between the knife and the back gauge is indicated by a cutting space indicator which, in conjunction with the side gauge on the front table, facilitates feeding and ensures perfect square cut. The main shaft is equipped with a multi-disc clutch, by means of which the cutting pressure can be regulated. The machine is driven by an electric motor, all driving belts being effectively guarded.

Model:	PC-50
Length of Cut:	1270 mm (50")
Height of Cut:	130 mm (5.18")
Time per Cut:	4 seconds
Installation Floor Space:	2450 x 2600 mm (98" x 104")
Motor:	5 H. P.
Weight:	Net: 3600 kgs. approx. Gross: 4300 kgs. approx.
Shipping Space:	11 cu. m. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

三面切紙機

THREE KNIFE BOOK TRIMMING MACHINE, MODEL BT



中國運輸機械進口公司經售
 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
 香港代理處：華潤公司
 Hong Kong Agency: CHINA RESOURCES CO.
 BANK OF CHINA BUILDING
 HONG KONG
 CABLE ADDRESS: "CIRECO."

This machine is very popular to book-binding factories. It simultaneously trims stacks of paper, books, etc. on three sides. The automatic clamping device acts before the cutting operation; it transmits pressure on the entire top surface of the pile. The adjustment of the side-knives and of the back gauge, which becomes necessary for trimming a pile of another size, can be made in the most simple manner. Form plates of different sizes can be supplied at buyers' option.

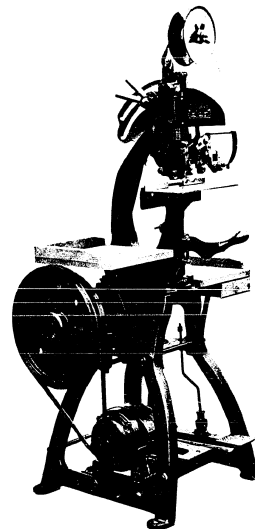
The cutting zone is protected with guard screen so that the machine is accident proof.

Model:	BT
Number of Cutting Knives:	3
Time of each Cutting:	10 seconds
Minimum Size to be Cut:	51 x 78 mm (2" x 3-1/8")
Maximum Size to be Cut:	254 x 406 mm (10" x 16")
Height of Stack:	57-132 mm (2 1/4"-5 1/4")
Installation Floor Space:	2200 x 2100 mm (88" x 84")
Motor:	3 H. P.
Weight:	Net: 3600 kg. approx. Gross: 3800 kg. approx.
Shipping Space:	9.2 cu. m.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT - 5006

電 動 訂 書 機 WIRE STITCHING MACHINE, MODEL WSP



中國運輸機械進口公司經售
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CABLE ADDRESS: "CIREFCO."

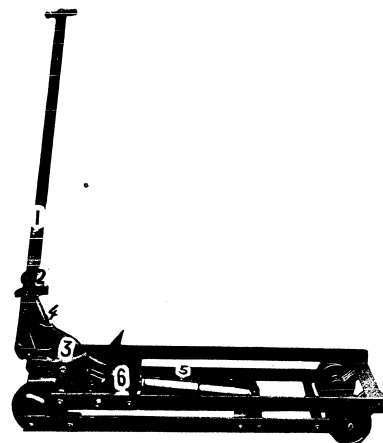
This machine is specially made for book binding work. It is driven either by electric motor or by treadle. For book binding, round shaped wire is used, the staple is struck from underneath and is bent forward.

Model:	WSP
Thickness:	15 mm (5/8")
Staple Length:	12.7 mm (1/2")
Maximum Capacity:	120 staples per minute
Installation Floor Space:	686 x 711 mm (27" x 28")
Motor:	1 H. P.
Weight:	Net: 160 kg. approx. Gross: 230 kg. approx.
Shipping Space:	1 cu. m. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-5007

拖 紙 機
LIFTING TRUCK MODEL LT



中國運輸機械進口公司經售
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CABLE ADDRESS: "CIREFCO."

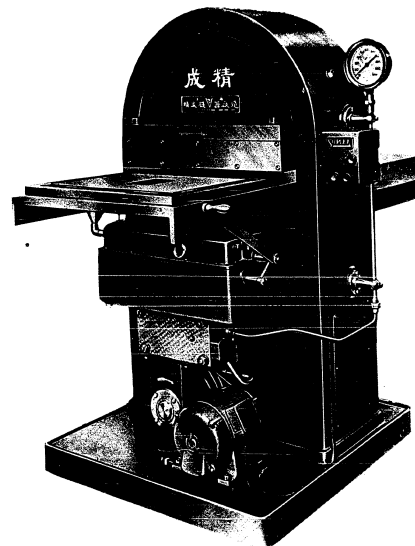
One of the important operations in any printing establishments is to handle materials efficiently. This hand lifting truck facilitates material handling, thereby reducing production cost.

Model:	LT
Maximum Load:	750 kg.
Lifting Height:	660 mm (26")
Size:	960 x 470 x 160 mm (38" x 18½" x 6½")
Weight:	Net: 118 kg. approx. Gross: 140 kg. approx.
Shipping Space:	0.256 cu. m. approx.

N.B.—For improvement of this machine, we reserve the right to alter either the design or the specification.

CODE: RT- 5008

500 噸液力壓紙版機
HYDRAULIC MATRIX MOULDING PRESS
500 TONS CAPACITY



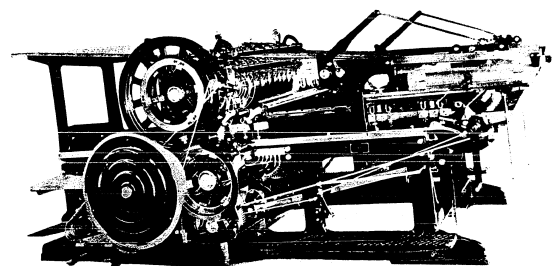
中國運輸機械進口公司經售
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CABLE ADDRESS: "CIRECO."

Speed of Matrix Moulding:	20 sec. per matrix
Maximum Pressure:	500 tons
Effective Pressure for Moulding Newspaper Matrix:	260 - 320 tons
Maximum Size of Matrix:	540 x 700 mm
Maximum Width of Working Table:	720 mm.
Power Required:	1½ H. P.
Overall Dimension:	Length 1.64 x width 1 x height 1.6 meter
Net Weight:	3,800 kg. approx.
Gross Weight:	4,050 kg. approx.
Shipping Space:	2.66 cu. meter approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT - 5009

全張雙迴轉印刷機
TWO REVOLUTION MACHINE
MODEL 51 (FULL SIZE)



中國運輸機械進口公司經售
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香港代理處：華潤公司
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HONG KONG
CABLE ADDRESS: "CIKECO."

1. Specifications:-

Press Table Dimension	1274 x 981 mm
Size of Roller (diameter x length)	Ø 533.4 x 1168 mm
Roller Rail (Height)	23.44 mm
Size of Ink Duct (Width x length)	1150 x 905 mm
Maximum Size of Sheet	1100 x 800 mm

2. Mechanical Features:-

Type	Single Printing Roller with increasing pressure
Impressing Pressure	5 Kg/cm ²
Speed of Printing Roller	36-62 rpm.
Impressions per minute	18-31
Track of Distribution Rollers	(1) 40 mm (2) 38 mm

Power: A. C. motor, 3 phase, 50 cycle, 220-380 volts, 5.5 KW, 1450 rpm.

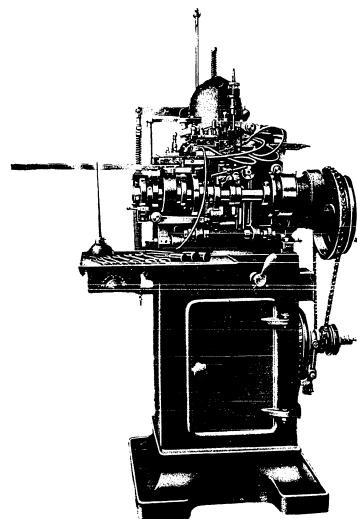
Dimensions: 4200 x 2700 x 1700 mm

Weight: approx. 9800 kg.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-5010

鑄 字 機
TYPE CASTING MACHINE,
MODEL TCL



中國運輸機械進口公司經售
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CABLE ADDRESS: "CIRECO."

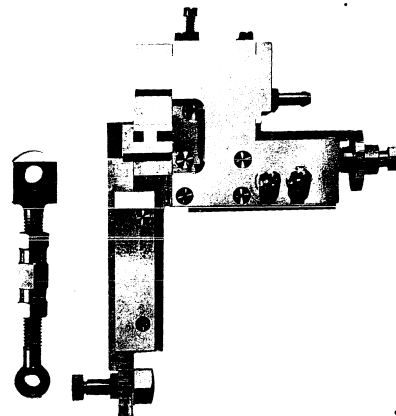
This machine is developed for high speed casting of sharp and clean types. The essential parts are made of high grade carbon steel, those which are subject to wear as well as the shafts are hardened and heat treated. The most important part of this machine, the matrix case, is made of special chromium alloy steel and precision ground ensuring production of sharp metal types. It is arranged for heating by electric current, consuming about 3 KW. The machine is equipped with a $\frac{1}{2}$ H. P. electric motor and a type casting case, the size of which is at buyer's option.

Model:	TCL
Casting Range:	6 points to 28 points
Production per Minute:	For 6 points, 130-150 castings
Installation Floor Space:	850 x 650 mm (34" x 26")
Weight:	Net: 420 kg. approx. Gross: 485 kg. approx.
Shipping Space:	1.1 cu. m. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-5011

鑄 字 盒
TYPE-CASTING CASE,
MODEL TCC



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
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HONG KONG
CABLE ADDRESS: "CIRECO."

These Casting Cases are made of special chromium alloy steel, precision ground and heat treated ensuring production of clear and sharp metal types. They are available in three models:

- TCC-A: Fixed model used for casting assigned sizes of types.
- TCC-B: Adjustable model used for casting various sizes of types of uniform height.
- TCC-C: Universal quotation casting box for casting hollow types from No. 2 to No. 6.

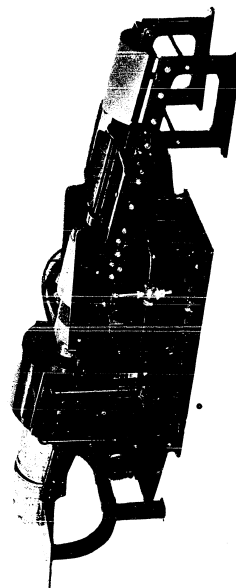
Each type-casting case is provided with 3 sets of steel moulds, specification of which is at buyer's option.

Dimension: 230 x 180 x 90 mm (9" x 7" x 3 1/2")
Weight: 4 kgs. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-5012

熔鉛爐連泵浦 MELTING OVEN WITH PUMP, MODEL RN-14



中國運輸機械進口公司經售
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香港代理處：華潤公司
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HONG KONG
CABLE ADDRESS: "CIRECO"

CODE: RT-5013

This oven is characterised by its simplicity and efficiency. It can be installed at any place to cast stereo-plates for Model RP 1-64 and RP 4-64 large size Rotary Presses. Metal is pumped through a charge pipe and forced into the casting box by pushing its hand-lever. A single stroke of the lever will deliver a quantity of metal sufficient to form one plate.

Specifications:

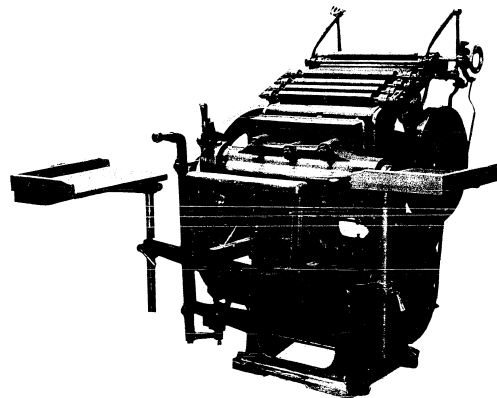
Capacity of Pot:	2,600 kg. of lead alloy
Displacement of Pump:	8,600 cm ³
Surface of Oven Grate:	3,726 cm ²
Fuel Used:	Bituminous Coal
Net Weight:	2,500 kg. approx.
Gross weight:	2,800 kg. approx.
Shipping Space:	5.5 cu. meter approx.

Attached Equipments:

1 pc.	Thermo-couple Pyrometer
1 set	Chimney 7 m x 200 mm ϕ

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

方箱印刷機
PLATEN PRESS, MODEL PP-14



中國運輸機械進口公司經售
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CABLE ADDRESS: "CIRECO."

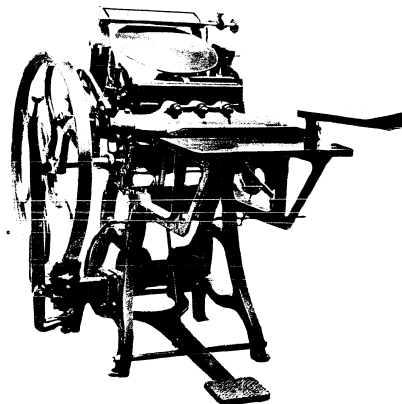
This is a fine art platen press suitable for general job printing and also for half-tone and zinc block works. It is built with sturdy bed and frame, a single disc and self-inking apparatus, friction clutch and brake. It is capable of a wide range of printing, requiring minimum power and space.

Model:	PP - 14
Chase, inside measurement:	330 x 432 mm (13" x 17")
Size of Platen:	355 x 508 mm (14" x 20")
Impressions per Hour:	1260
Installation Floor Space:	1270 x 1880 mm (50½" x 74")
Motor:	1 H. P.
Weight:	Net: 1,200 kg. approx. Gross: 1,500 kg. approx.
Shipping Space:	3 cu. m. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT - 5014

元盤印刷機
PLATEN PRESS, MODEL PP-10
FOR TREADLE DRIVE.



中國運輸機械進口公司經售
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CABLE ADDRESS: "CIKRECO."

This model has a strongly built vertical bed, a single disc and self-inking apparatus for Perfect inking distribution. It is equipped with a device for regulating and throwing off impressions in any position of the platen.

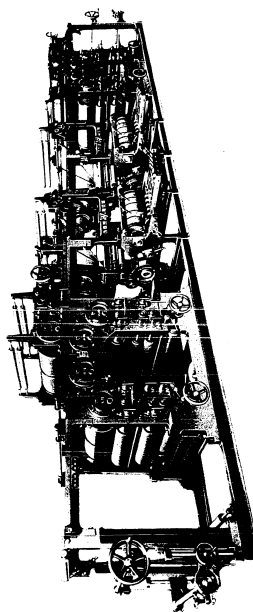
Model:	PP-10
Chase, inside measurement:	254 x 381 mm (10" x 15")
Size of Platen:	279 x 406 mm (11" x 16")
Impressions per Hour:	1200 to 1800
Installation Floor Space:	1422 x 1219 mm (56" x 48")
Weight:	Net: 530 kg. approx. Gross: 650 kg. approx.
Shipping Space:	1.7 cu. m. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-5015

單捲筒十六版輪轉印報機

UNI-REEL 16-PAGE NEWSPAPER ROTARY PRESS MODEL RP 1-64



中國運輸機械進口公司經售

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理：華潤公司

Hong Kong Agents: CHINA RESOURCES CO.

BANK OF CHINA BUILDING
HONG KONG

CABLE ADDRESS: "CHIRECO,"

This rotary press is capable of printing newspaper with a daily circulation from 50,000 to 100,000 copies. The construction has been carefully designed with due consideration of the large dimension of the cylinder of 4-plate width. It is both easy to install and to dismantle. Every part is so designed as to simplify the operation.

This Rotary Press is composed of two printing units and a second colour unit which is fixed on the top. The oil ring lubricated bearings of the cylinder are completely enclosed and fitted with an eccentric mechanism for adjusting the center of the shaft to ensure printing accuracy and correct pressure. Its main drive comprises of a 35 h. p. A. C. commutator motor with push button control for speed regulation. To stop the rotary press, an electromagnetic brake is provided.

This Rotary Press is equipped with a tapeless double folder and one of 45° turning bars.

This press handles paper reels of 64" width, but those of 63" are also adaptable

For feeding the paper there is a 5 H. P. motor but a hand feeding lever is also provided.

Technical Data:

Maximum Printing Surface	...	...	...	14 $\frac{3}{4}$ " x 21"
Size of 4-page paper (with 64" width reel)	...	...	...	22" x 32"
Printing Diameter	...	...	...	14"
Number of Plates	...	...	...	16 pcs.
Number of Plates for Second Colour	...	...	...	8 pcs.
Thickness of Plates	...	...	...	14 mm.
Thickness of Blanket	...	...	...	5 mm.
Standard Speed	...	...	...	12,500 cyl. r/h
Maximum Speed	...	...	...	13,000 cyl. r/h

Output:

No. of Sheets per copy	No. of Pages	Copies/Hour	No. of Pages with Colour	Width of Reel
$\frac{1}{2}$	2	100,000	1	64"
1	4	50,000	2	64"
$1\frac{1}{2}$	6	25,000	3	48"
2	8	25,000	4	64"
$1\frac{1}{2}$ double	12	12,500	6	48"
4	16	12,500	8	64"

Power Required ... 35 H. P.
Overall Dimension ... length 5.3 m.
width 4.5 m.
height 2.65 m.

Net Weight (including electrical equipment) ... 29,500 kg. approx.
Gross Weight (including electrical equipment) ... 32,500 kg. approx.
Shipping Space ... 46.5 cu. m. approx.

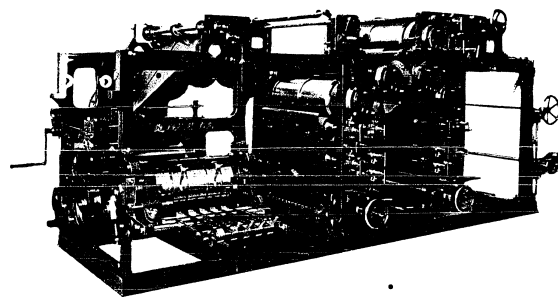
Standard Equipment:

- 1-Stereo-plate Casting Machine Model RD-14
- 1-Automatic Boring Machine (Autoshaver) Model RF-14
- 1-Melting Oven with Pump Model RN-14
- 1-Hydraulic Matrix Moulding Pump 500 Tons Capacity, Model PH-2

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT - 5016

單捲筒八版輪轉印報機 UNI-REEL 8 - PAGE NEWSPAER ROTARY PRESS MODEL PR 1-32



中國運輸機械進口公司經售
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香港代理處：華潤公司
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HONG KONG
CABLE ADDRESS: "CIRECO."

CODE: RT-5017

This Rotary Press is designed for printing 10,000 to 50,000 copies of newspapers daily. It is also adaptable to book and job printings. Rigidity in construction and simplicity in operation are its essential features. Its main frame is of the arch type which provides ample working space, and its parts are arranged within convenient reaches of the worker.

This press is composed of 2 printing units and a second colour unit which is fixed on the top. The oil ring lubricated bearings of the cylinder are completely enclosed. An eccentric mechanism is provided for adjusting the center of the shaft to ensure printing accuracy and correct pressure. The length of the cylinder is equal to the width of two plates.

The press is complete with one tapeless folder. Each complete issue of the newspaper will be automatically folded into two parts by means of the folding triangles and cylinders and sent out of the rotary press in consecutive order through its tape delivery. A counter with recording marks for every 25 copies or 50 copies of newspapers delivered, is attached to the press for purpose of computation.

The press takes a single paper reel of 32" width, but reels from 31" up to 34" are also adaptable. Lifting device for paper reel is provided to save work end time. Another convenient feature is that two such presses can be connected together to convert into a two-reel 16 page press.

The electric drive consists of a variable speed A. C. commutator motor with remote control of speed by push buttons.

In case of emergency an electro-magnetic brake automatically stops the machine.

Technical Data:

Maximum Printing Surface ...	14 $\frac{1}{2}$ " x 21"
Size of 4-page Copy (with 32" width reel) ...	22" x 32"
Standard Width of Paper Reel ...	32"
Printing Diameter ...	14"
Number of Plates ...	8 pcs.
Number of Plates for Second Colour ...	4 pcs.
Thickness of Plates ...	14 mm.
Thickness of Blanket ...	5 mm.
Standard Speed ...	12,500 cyl r/h

Output: Average as follows:

No. of Sheets per run	No. of Page	Copies Hour	No. of Pages with Colour	Width of Reel
1	2	50,000	1	32"
1	4	25,000	2	32"
2	8	12,500	4	32"

Power Required ... 20 H. P.

Overall Dimension ... length 5 x width 3.5 x height 2 meters

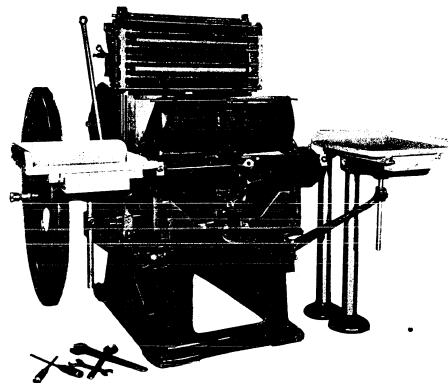
Standard Equipment includes one each of:

- 1- Matrix Moulding Press
- 1- Oscillating Cup Casting Plant
- 1- Melting Pot
- 1- Router with Electric Drive
- 1- Shever for Curved Stereos
- 1- Trimming Apparatus

Total Weight (including stereotyping set and electric equipment): 12,650 kg. (approx.)
Gross Weight 12,250 kg. approx.
Shipping Space 22.65 cu. m. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specifications.

三色凸版機 PLATEN PRESS MODEL PP-16



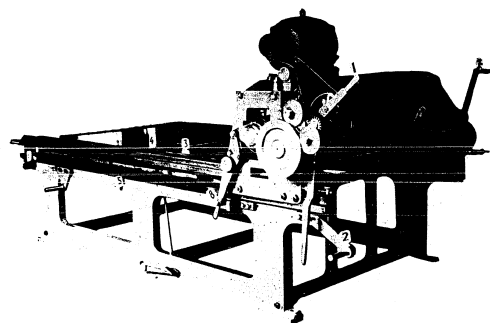
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Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

In introducing this platen press we provide a machine which produces finest tint work as well as ordinary job work at highest speed. Bed and frame are cast in one piece. The machine is furnished with two tension rods, cylindrical inking with four inking rollers, friction clutch and brake. Operation of this machine requires minimum power and space.

Model:	PP16
Chase, inside measurement:	394 x 560 mm (15½" x 22")
Size of Platen:	420 x 585 mm (16½" x 23")
Impressions per Hour:	1500
Installation Floor Space:	2032 x 1321 mm (80" x 52")
Pulley, diameter x width:	330 x 75 mm (13" x 3")
Motor:	2 H. P.
Weight:	Net: 1500 kg. approx. Gross: 2000 kg. approx.
Shipping Space:	3.8 cu. m. approx.

CODE: RT - 5018

對開膠版打樣機
SINGLE COLOUR OFFSET MACHINE
MODEL OHF WITH FLYER DELIVERY
MODEL OHC WITH CHAIN GRIPPER DELIVERY



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CABLE ADDRESS: "CIRECO."

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

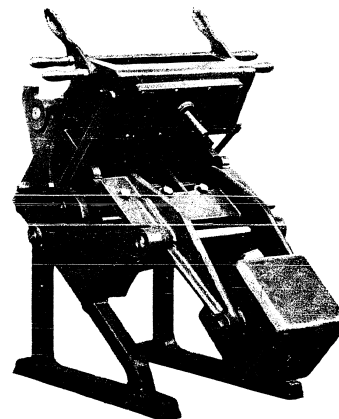
CODE: RT-5019

This is a popular machine for any offset printing establishment, capable of handling intricate colour printing on any kind of paper. It is provided with either flyer delivery or chain gripper delivery at buyers' option. Other unique features of this machine are: improved inking device, dense and sharp impression and perfect register.

Model:	OHF & OHC
Printing Surface:	610 x 915 mm (24" x 36")
Plate Size:	725 x 915 mm (28½" x 36")
Paper Size:	610 x 915 mm (24" x 36")
Blanket Size:	864 x 915 mm (34" x 36")
Production:	2700 sheets per hour on one side.
Drive Ratio:	5:1
Pulley Size:	550 mm (22") diameter
Motor:	3 h. p.
Installation Floor Space:	3000 x 2000 mm (10'0" x 6'8")
Weight:	Net: 3500 kg. approx. Gross: 4360 kg. approx.
Shipping Space:	12 cubic meters approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

澆 鉛 版 機
STEREO-PLATE CASTING MACHINE
MODEL RD-14



中國運輸機械進口公司經售
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CABLE ADDRESS: "CIRECO."

This machine is designed for mechanical casting of curved stereo-plates for rotary presses. It is often used in combination with Model RN-14 melting oven. Left or right hand operated types can be supplied as required.

The installation of this machine is simple as only a concrete foundation is required for the work.

It comprises of a turnable vertical cylinder in the center of a curved casting box. After the machine is set in motion by a lever movement, molten metal is pumped into the mould and a stereo-plate is formed. Thereafter, the stereo-plate travels with the cylinder and is trimmed. Water cooling system is provided throughout the entire casting process.

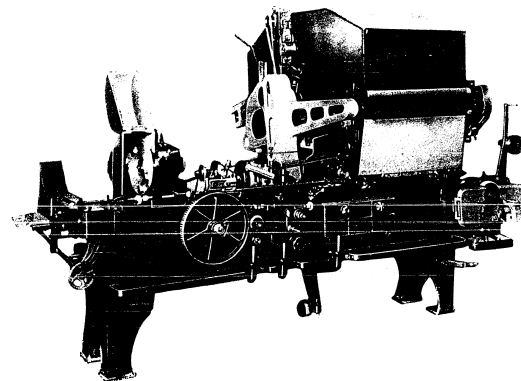
Specifications:

Dimension of Stereo-plate:	To customers' requirement
Capacity:	1 plate per minute
Power required:	7½ H. P.
Space Required for Machine (including Oven & Pump) in sets:	Length 2 x width 2½ x height 2 meter
Net Weight:	2,000 kg. approx.
Gross Weight:	2,200 kg. approx.
Shipping Space:	4.8 cu. meter approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT - 6001

捲 烟 機
HIGH SPEED CIGARETTE - MAKING MACHINE



中國運輸機械進口公司經售
Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
香港代理處：華潤公司
Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

Specification:

Production per minute ... 1000 pcs. (About 80 to 90 kgs.
of tobacco are required to produce 50,000 cigarettes)
Length of Cigarette ... 70 mm
Power Required ... 3 H. P. Motor 1450 rpm.
Floor Space (L x W x H) ... 10 ft. x 6 ft x 7 ft.
Packing ... In two wooden cases.
a) Measurement of Case #1 ... $10\frac{1}{2} \times 3\frac{1}{2} \times 5$ ft.
b) Measurement of Case #2 ... $6\frac{1}{2} \times 5 \times 7\frac{1}{2}$ ft.
Weight ... Net: 2500 kg.
Gross: 3100 kgs.

Auxiliary Machines

1. Tobacco Cutting Machine with 10" knife: Capacity—140 kgs hour
2. Tobacco Cutting Machine with 16" knife: Capacity—450 kgs. hour
3. Stem Crushing Machine: Capacity—200 kgs/hour
4. Cigarette Carton Making Machine
5. Waxed Paper Wrapping Machine
6. Packing Machine
7. Knife Grinding Machine
8. Tobacco Drying and Cooling Machine
9. Unpacking Machine
10. Tobacco Leaves Steaming Machine
11. Tobacco Leaves Baking Machine
12. Flavour Mixing Machine

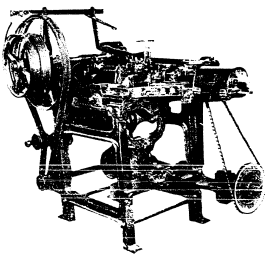
N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-8005

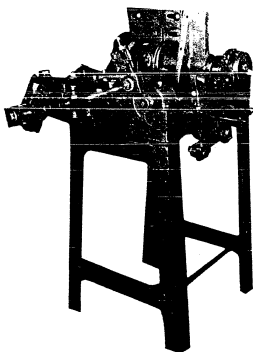
製安全別針全套設備 SAFETY PIN MACHINES.

中國運輸機械進口公司經售
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CABLE ADDRESS: "CIRECO."

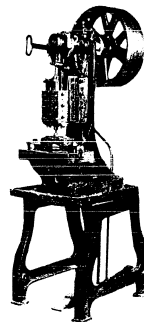
WIRE STRAIGHTENING,
CUTTING & SHARPENING
MACHINE ITEM 1.



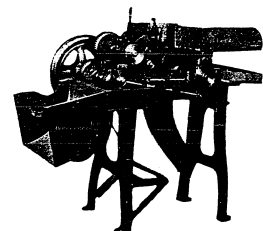
WIRE COILING MACHINE
ITEM 2.



雙行程冲頭車
LOCK MAKING PRESS
ITEM 3.



捲邊車
LOCK GRIPPING PRESS
ITEM 4.



CODE: RT-6602

- Item 1** Wire Straightening, Cutting & Sharpening Machine
By means of this machine, low carbon steel wire in the form of coils is straightened, next cut into blanks of definite length (say 6.7 cm), and then one end of the blank is ground to form a sharpened point.
Motor required: 1½ HP, 960 RPM
Overall Dimension: 1630 x 1150 x 1450 mm
Weight: 800 kg.
Output: 120 pieces per minute
- Item 2** Wire Coiling Machine
The blank with one end sharpened is coiled or bent into the required form with a helix giving the effect of a spring.
Motor required: ½ HP, 960 RPM
Overall Dimensions: 870 x 840 x 1020 mm
Weight: 40 kg.
Output: 120 pieces per minute
- Item 3** Lock Making Press
The Press is of dual action type. In one action, raw material steel sheet is cut into small piece as blank for the other action, under which the blank is pressed to form Lock (but not in its final form).
Motor required: ½ HP, 960 RPM
Overall Dimension: 660 x 510 x 1600 mm
Weight: 310 kg.
Output: 144 pieces per minute
- Item 4** Lock Gripping Press
The coiled wire and the Lock after being assembled by hand is fed, manually, into this Press, in which the Lock is pressed into the final form.
Motor required: ½ HP, 960 RPM
Overall Dimensions: 980 x 950 x 1010 mm
Weight: 270 kg.
Output: 120 pieces per minute

Remarks: The finished product is then electro-plated and the processes are:
a. barreling, to cleanse the safety pins.
b. copper-plating, preparatory to nickel plating.
c. nickel plating.

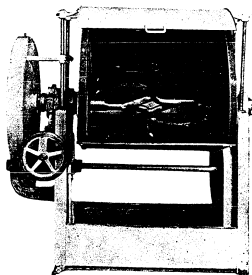
Particulars for such equipment, as well as those of Punch & Dies for Punching Presses, will be supplied upon request.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

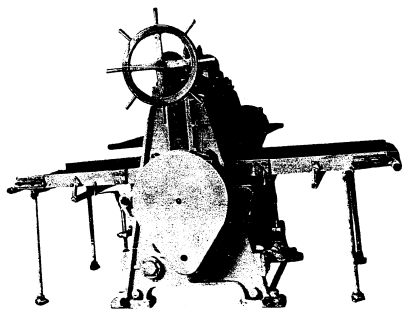
製餅干機設備

BISCUIT BAKERY EQUIPMENT

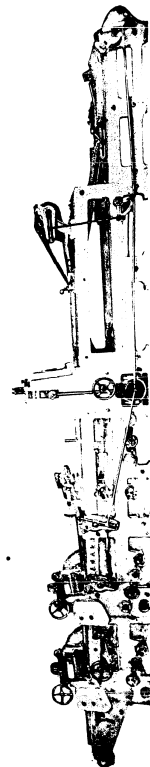
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BISCUIT DOUGH MIXER
MEDIUM SIZE



BISCUIT MEAL - SHEETER
MEDIUM SIZE



BISCUIT MOLDING PRESS
MEDIUM SIZE

Specification:

1. Biscuit Molding Press (Medium size) 製餅杆機(中型)
 - a) Adjustable Thickness of Meal Sheets 3-19 mm
 - b) Adjustable Speed of Molding 15-130 times per minute.
 - c) Output Capacity per hour ... Maximum 370 kgs.
Minimum 120 kgs.
 - d) Power Required ... 7½ H. P. Motor
2. Biscuit-Dough-Mixer (Medium Capacity) 拌粉機(中型)
 - a) Dimension... Length 1700 mm
Width 889 mm
Depth 1700 mm
 - b) Flour Treated per Batch ... 150 kgs.
 - c) Power required ... 3 HP Motor
3. Biscuit Meal-Sheetter (Medium Size) 皮子機(中型)
 - a) Dimension of Table ... Length 2700 mm
Width 800 mm
Height 840 mm
 - b) Attached Equipment:

Rubber Belting 76 x 3556 mm...	2 pcs.
Motor Belt Pulley ...	1 pcs.
Foundation Bolts ...	4 pcs.
 - c) Power Required ... 5 HP Motor.
4. Circulated Turbo-Fan Oven 烘爐
 - a) Type ... 10 trays, 5 shelves, 2 layers in concentric
Oven Conveyor:

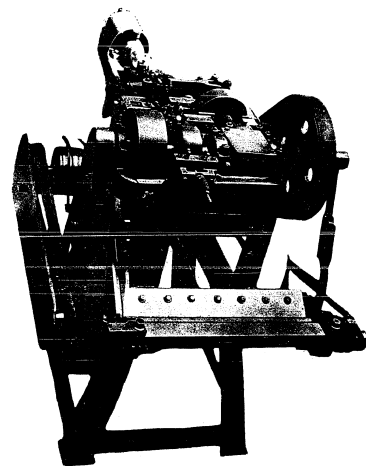
Outer Diameter	3150 mm
Height	3300 mm
Length of Conveyor Axis	4970 mm
 - b) Size of Fire-Brick Oven Shell ...

Length	4700 mm
Width	4700 mm
Height	7000 mm
 - c) Power Required ... 2 HP Motor.

N.D.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-8001

製大頭針機 PIN MAKING MACHINE



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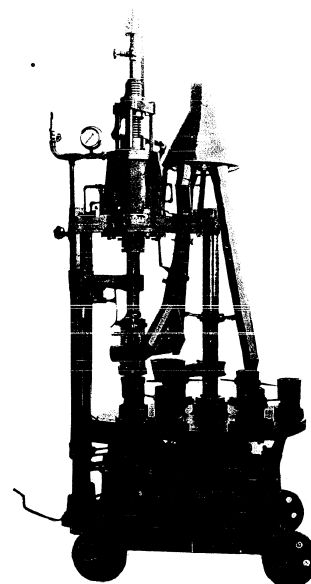
Specification:

Revolution: ...	300 R. P. M.
Raw Materials Required ...	Iron Wire, BWG 22.
Production ...	14 cm per 8 hours
Measurement ...	Length 52 inches
	Width 48 inches
	Height 52 inches
Weight ...	625 kgs.
Motor Required ...	1½ - 2 H. P.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT - 8002A

自動壓杯機
AUTOMATIC MOULD
FOR MAKING DRINKING GLASS.



中國運輸機械進口公司經售
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Driven by electric motor. Compressed air of 40-45 lbs./sq. in. pressure is used.
Suitable for making drinking glass. Machine revolves at 11-19 revolutions per minute.

Production: 900 doz. per 8 hour-day

Overall Dimensions: 240 x 135 x 110 cm.

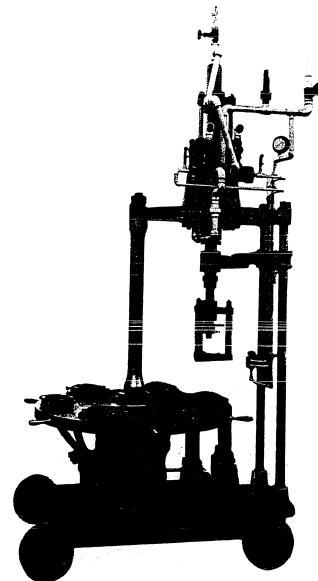
Weight: 1850 kgs.

• Power Required: 1.2 kw.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-8002B

半自動壓杯機
SEMI-AUTOMATIC MOULD
FOR MAKING DRINKING GLASS.



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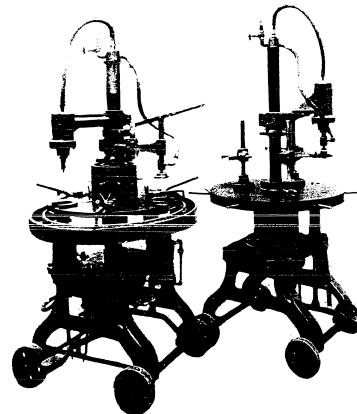
Suitable for making drinking glass, dish, etc. with maximum height of 8 inches and diameter of 6 inches. Compressed air of about 45 lbs./sq. in. pressure is used.

Production: 450 doz. per 8 hour-day
Overall Dimension: 96½" x 52" x 32"
Weight: 1,650 kgs.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT - 8002C

三鐵碗吹瓶機
BOTTLE BLOWING MACHINE
WITH 3 MOULDS.



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Usage: Capable of blowing glass bottles
of 50 to 500 cu. cm. contents.
Capacity: About 6,000 pcs. per 8 hour-day
Overall Dimension: 29" x 29" x 65"
Weight: 850 kgs.

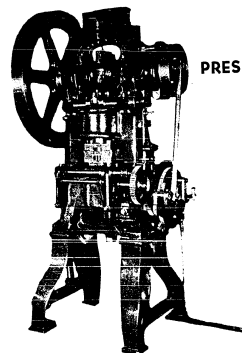
Compressed air of 25 to 30 lbs. per sq. in. pressure is to be used for blowing the glass bottles.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

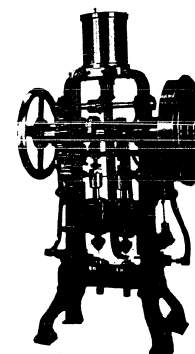
CODE: RT-8603

機 鈕 擱
STUD MAKING MACHINES

雙行程擱鈕雄片落料翻邊車
PUNCH PRESS (FOR MALE PART OF STUD)
ITEM No. A-1

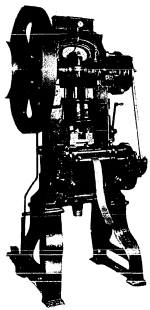


雙行程擱鈕雄片捲邊車
PRESS (FOR MALE PART OF STUD)
ITEM No. A-2

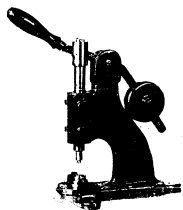
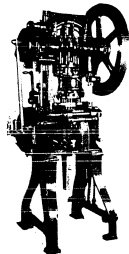


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單行程撇鈕雌片冲條車
PRESS (FOR FEMALE PART OF STUD)
ITEM No. B-1

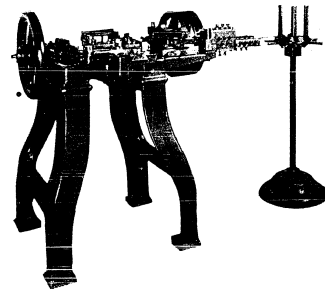


三行程撇鈕雌片落料翻邊車
PUNCH PRESS (FOR FEMALE PART OF STUD)
ITEM No. B-2



手扳裝撇鈕彈環捲邊車
HAND DRIVEN PRESS (FOR FEMALE PART
OF STUD) ITEM No. B-3

撇鈕銅絲彈簧車
WIRE SPRING MAKING MACHINE
ITEM No. C.



撇鈕車冲模
DIES.

CODE: RT-8004 A

Specifications:

Name of machine	Spindle speed rpm	Stroke m/m	H. P. required	R. P. M.	Overall dimension m/m	Weight Kg.	Output per min.
(A) 1	150	29x39	2½	960	1220 x 1070 x 2160	1725	750 pcs.
(A) 2	140	39x39	1/2	960	530 x 310 x 770	130	280 pcs.
(B) 1	150	29	2½	960	1220 x 1070 x 2160	1700	750 pcs.
(B) 2	150	10x30	2	960	990 x 690 x 1710	1400	750 pcs.
(B) 3					390 x 210 x 410	17	18 pcs.
(C)	150		1/2	960	950 x 690 x 970	130	600 pcs.
(D)	500		7½			250	

All power driven machines are coupled to the motor by Vee belt.

The name of machine is listed and explained as follow:

NAME OF MACHINE**(A) For Male part of Stud**

1. Punch Press for cutting copper or zinc alloy strips into pieces and at the same time bead and sewing holes are formed and edge is turned downward.
2. Press for folding the edge of the stud.

(B) For female part of Stud

1. Press for making bead and sewing holes on strips,
2. Punch Press for cutting strips into pieces and at the same time edge is turned upward.
3. Hand driven Press for folding the edge of the Stud and at the same time wire spring is inserted.

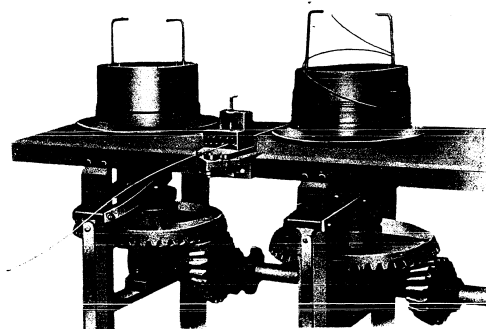
(C) Wire Spring Making Machine

- (D) Vertical Air Compressor for the supply of compressed air to each machine to blast scraps from the dies.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

製木螺絲全套設備

WOOD SCREW MAKING MACHINERY

**(A) WIRE DRAWING MACHINE (ARRANGED IN SERIES)****Specifications:**

Diameter of Drawing drum in inches	Number of rel. min.	Distance between spindles in inches	Thickness of wire to be drawn (B.W.G.)	Weight of Machine in lbs.	Output in 8 hours in lbs.	Power consumption in H.P.
24	25	55	8 0 - 1	3800	6600	12
23	30	51	4/0 - 4	3650	4400	10
22	45	47	1 - 8	3450	3520	8
21	55	47	4 - 11	3350	2640	6

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(B) SINGLE STROKE OPEN DIE COLD HEADER (UNIVERSAL TYPE)

Specifications:

Size...	1'8"	1'4"	3'8"
	H-1	H-2	-3
Capacities:			
Max. dia. of wire S.G.) ...	0.5	4-10	9-14
Max. length shank ...	1"	2"	3"
Min. length wire blank ...	3'8"	1"	1½"
Max. length wire blank ...	1½"	2-3'8"	3½"
Output per min. (pieces) ...	225/250	125/150	100
Output in 8 hours (gross) ...	480/550	300/400	245
Flywheel:			
Approximate weight ...	150	400	820
Diameter and face ...	ø24" x 4"	ø42" x 5½"	ø48" x 8"
Motor:			
H. P. ...	2	5	7½
R. P. M. ...	960	1400	1400
Floor Space ...	2'2" x 3'9"	3'10" x 5'10"	4'5" x 7'9"
Net Weight (lbs.) ...	2500	3750	8900
Boxed Weight (lbs) ...	2800	4350	9200
Boxed dimension ...	45 cu. ft.	120 cu. ft.	190 cu. ft.

(C) HEAD TURNING & SLOTTING MACHINE
(TWO SPINDLE MACHINE)

The bolt head is first turned off then slotted, then again finish turned.

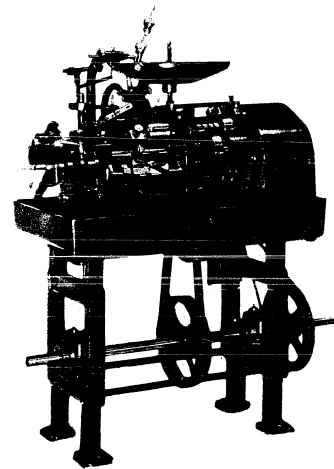
Specifications:

Size ...	S-0	S-1
Capacities:		
Max. dia. (S.G.) Wood Screw Gauge ...	0-8	7-14
Max. Length of Wood Screw ...	2"	3½"
Output per min. (pcs.) ...	22-24	18-20
Output in 8 hours (gross) ...	60-70	50-55
Motor:		
H. P. ...	0.75	1
R. P. M. ...	1400	1400
Floor Space ...	2' x 3'	2'6" x 3'6"
Net Weight (lbs) ...	650	800
Boxed Weight (lbs) ...	800	970
Boxed dimension ...	40 cu. ft.	46 cu. ft.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RT-8004 B

製木螺絲全套設備
WOOD SCREW MAKING MACHINERY
木螺絲車
(D) SCREW THREADING MACHINE



中國運輸機械進口公司經售
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Specifications:

Size	T-0	T-1	T-2
Capacities:			
Max. dia. (S.G.) wood screw gauge	0-8	7-12	10-16
Max. length of wood screw	1" - 1 1/2"	3/8" - 2 1/2"	1/2" - 3 1/2"
Output per min. (pcs.)	10 - 18	6 - 16	4 - 10
Output in 8 hours (gross)	25 - 50	18 - 40	13 - 25
Floor Space	2' x 3'	2'6" x 3'6"	2'6" x 4'0"
Motor:			
H. P.	0.5	0.75	1
R. P. M.	1400	1400	1400
Net Weight (lbs.)	650	800	1000
Boxed weight (lbs.)	800	970	1170
Boxed Dimension	40 cu. ft.	46 cu. ft.	52 cu. ft.

(E) AUXILIARY MACHINE & APPARATUS

1. Scouring and Cleaning Drums (Rumblers)

Length	34"
Diameter	22"
Motor: H. P.	1
R. P. M.	960
Net Weight	1000
Boxed Weight	1320
Boxed Dimension	14 cu. ft.

Rumblers with sheet iron cases and those with wood cases are required, the former for scouring the pressed blanks and the latter for cleaning the half finished and the finished wood screws coming from the head turning and slotting machines and the screw threading machines respectively.

2. Milling Cutter Grinding Machine (Automatic Type)

This Machine automatically sharpens the teeth of milling cutter for the head turning and slotting machines, where they have become blunt.

3. Wire Reel

For the heading presses wire reels are required for unwinding the wire.

4. Centrifugal pump directly coupled with motor.

The head turning and slotting machines as well as the screw threading machines requires a constant supply of a solution of soda for cooling the cutter and milling cutter.

* * * * *

Machines for an output of roughly 3000 gross of wood screw for 8 hours ranging in sizes from screw gauge No. 2 to S. G. No. 14 and 1.4" to 3" long are as follows:

1 set	Wire Drawing Machines	W-1
4 heads arranged in series		
3 sets	Single stroke open die cold header	1/8"-H-1
3 sets	Single stroke open die cold header	1/4"-H-2
2 sets	Single stroke open die cold header	3/8"-H-3
56 sets	Screw threading Machines	T-0
24 sets	Screw threading Machines	T-1
24 sets	Screw threading Machines	T-2
44 sets	Head turning and slotting machines	S-0
36 sets	Head turning and slotting machines	S-1

N.D.—For improvement of the machine, we reserve the right to alter either the design or the specification.

Code No.: 6H-1005

VERTICAL DRILLING MACHINE

SPECIFICATIONS

Capacity		Vertical spindle head adjustment, mm	200
Maximum drill diameter in steel of 50 - 60 kg/mm ²		Speeds and Feeds	
tensile strength, mm	25	Number of spindle speeds	9
Distance, end of spindle to table, mm:		Range of spindle speeds, R.P.M.	97-1360
Minimum	0	Number of spindle feeds	9
Maximum	700	Range of spindle feeds, mm per revolution	0.1-0.81
Distance, end of spindle to base, mm:		Drive	
Minimum	750	220/300 volt, 3 phase, 50 cycle A. C. motors:	
Maximum	1100	Spindle drive:	
Distance, center of spindle to column, mm	250	power, kw	2.8
		speed, r.p.m.	1420
Table		Coolant pump:	
Working surface of table, mm	500x375	power, kw	0.125
Maximum vertical travel of table, mm	325	speed, r.p.m.	2800
Spindle		Space Occupied	
Taper in spindle	Morse No.3	Floor space, mm	962x825
Maximum vertical spindle travel, mm	175	Height of machine, mm	2000
		Weight	
		Net weight, kg	approx. 980

Code No.: 6K-1006VERTICAL DRILLING MACHINE

SPECIFICATIONS

Maximum drill diameter in steel of 50-60 kg/mm ² tensile strength 35 mm.	
Distance, end of spindle to table, mm: minimum/maximum	0/700
Distance, end of spindle to base, mm: minimum/maximum	705/1130
Distance, center of spindle to column, mm	300
Table	
Working surface of table, mm	450x500
Maximum vertical travel of table, mm	325
Spindle	
Taper in spindle	Morse No. 4
Maximum vertical spindle travel, mm	225
Vertical spindle head adjustment, mm	200
Speeds and Feeds	
Number of spindle speeds	9
Range of spindle speeds, r.p.m.	68 - 1100
The following range may be offered by special order	110-1770 r.p.m.
Number of spindle feeds	11
Range or spindle feeds, mm per revolution	0.11 - 1.6
Drive	
220/380 volt, 3 phase, 50 cycle A. C. motors:	
Spindle drive:	
power, kw	4.5
speed, r.p.m.	1440
Coolant pump :	
power, kw	0.125
speed, r.p.m.	2800
Space Occupied	
Floor space, mm	1300 x 835
Height of machine, mm	2570
Weight	
Nett weig ht, kg	approx. 1650

Code No.: 6M-1016RADIAL DRILLING MACHINE

Main Specifications

Max. drilling dia.	mm.	35
Distance, spindle centre to column surface(overhang) min/max...	mm.	450/1500
Distance, spindle nose to table (min/max.)	mm.	0/1000
Distance, spindle nose to base (min./max.)	mm.	500/1500
Max. travel of spindle (mechanically and manually).	mm.	330
Taper in spindle bore	Morse No.	4
Max. travel of spindle head	mm.	1050
Max. vertical traverse of arm on column	mm.	689
Max. swing of arm on column		360°
Vertical rapid movement of arm per min.	mm.	1200
No. of spindle speeds.		12
Range of spindle speeds	rpm.	45-2000.
No. of spindle feeds		12
Range of spindle feeds per 1 revolution of spindle.	mm.	0.03 -1
3 Ø, A. C. motors:		
for feed box:		
output/speed	kw/rpm	3.2/1450
for arm elevating on column:		
output/speed	kw/rpm	1.5/1425
for coolant pump:		
output/speed	"	0.125/2800
Above motors 50 cycles, 220/380 Volts supply.		
Overall dimension (L x W x H)	mm.	2500 x 970 x 3350
Nett weight, approx.	kg.	4100

UPRIGHT DRILLING MACHINE

Capacity:

Max. drilling Dia. in cast iron	mm. 18
in steel	mm. 16

Spindle

Max. travel of spindle	150 mm.
Taper in spindle bore	Morse No. 2

Table

Working surface	350 x 350 mm.
Vertical travel of table	450 mm.
Distance, spindle nose to table: min	30 mm.
max.	650 mm.

Mechanism

No. of spindle speeds	6.
Range of spindle speeds	310-2975 rpm.
feed per revolution of spindle	0.2 mm.

Power, space & Weight

3 Ø, A. C. inducing motor: power/speed	1 kw/930rpm.
Space required (L x W x H)	900 x 600 x 1720
Nett weight	about. 430 kg.

Code No.: 6M-1027HORIZONTAL BORING,
DRILLING AND MILLING MACHINE

SPECIFICATIONS

Capacity

Diameter of spindle, mm 85
 Taper in spindle Morse No. 5
 Maximum axial travel of spindle, mm 600
 Maximum distance, end of spindle to
 bar support, mm 2220

Table

Working surface of table, mm ..1000x800
 Maximum travel of table (by power
 and manually), m.m.:
 longitudinal 1140
 cross 350

Headstock

Face plate diameter, mm 630
 Maximum radial travel of face plate
 slide, mm 170
 Distance, spindle axis to table, mm:
 minimum 42.5
 maximum 300

Speeds and Feeds

Number of spindle speeds 18
 Range of spindle speeds, r.p.m. 20-1000
 Number of face plate speeds... 14
 Range of face plate speeds, RPM. 10--200
 Number of longitudinal and cross
 feeds of table, axial feeds of
 spindle, vertical feeds of headstock
 and radial feeds of face plate slide.
 18
 Range of spindle feeds, mm per re-
 volution of spindle 0.0516

Range of table and headstock feeds,
 mm per revolution of spindle..0.025-8
 Range of table and headstock feeds,
 mm per revolution of face plate.0.0516
 Range of face plate slide feeds, mm
 per revolution of face plate.. 0.025-8
 Speed of rapid axial movement of
 spindle, m/min..... 4.8
 Speed of rapid longitudinal and cross
 movements of table and vertical
 movement of headstock, m/min.. 2.4
 Speed of rapid movement of face plate
 slide, m/min..... 1.2

Drive

220/300 volt, 3 phase, 50 cycle A.C.
 motors:
 Main drive (two-speed):
 power, kw 6.5/7.0
 speed, r.p.m. 1500/3000
 Rapid traverse:
 power, kw 2.8
 speed, r.p.m. 1500

Space Occupied

Floor space, mm 5070x2230
 Height of machine, mm.... 2755

Weight

Net weight kg approx. 11600

Code No.: 6M-1029TOOL CUTTER GRINDING MACHINE

Main Specifications:

Max. size of cutter to be ground	50 x 50 mm.
No. of grinding wheel	2.
Dimension of grinding wheel:	
•Outside diameter	250 mm.
Bore	100 mm.
Width	150 mm.
Spindle speeds	2280 rpm .
3 Ø. A. C. motor.	
for main drive	
Power	2.2 kw.
Speed	3000 rpm.
for coolant Pump.	
Power	0.15 kw.
Speed	2500 rpm.
Overall dimension (L x W x H)	1510 x 1100 x 1365.
Nett weight	about. 1200 kg.

Code No.: 6M-1038MULTI-TOOL SEMI-AUTOMATIC LATHE

Main Specifications:

Centre height	150 mm.
Distance between centres: Min/Max.	0/300 mm.
Max. distance, spindle nose (120mm) to centre of tailstock...	325 mm.
Max. turning dia.	
round bar	32 mm.
swing over carriage	300 mm.
swing over bed ways	200 mm.
Max. turning length (with 2 cutters):	
use the tool post for complex turning	250 mm.
use the tool post for simple turning	260 mm.
Max. longitudinal travel of front tool slide:	
Complex turning: mechanically (working)/manually (adjusting)	100/200.
Simple turning: " " " "	150/250.
Max. longitudinal travel of rear slide:	
mechanically (working) /manually (adjusting)	90/155 mm
Max. travel of centre sleeve	120 mm
Spindle speeds: 105;131;154;196;236;296;254;442;532;680;794;1000 r.p.m.	
Longitudinal feed of fronttool slide per revolution of spindle:	
0.07; 0.10; 0.16; 0.23; 0.32; 0.48; 0.72; 1.02 mm.	
No. of transverse feeds per each of longitudinal feed	12
Range of transverse feeds of rear tool slide per revolution	
of spindle;	0.019-2.51 mm
3 ϕ , A. C. motors:	
Main drive: Power/speed	5.8 kw/1450 r.p.m.
Coolant pump: power/speed	0.25 kw/2800 r.p.m.
Overall dimension (L x W x H)	1800 x 1290 x 1340 mm.
Nett weight:	about. 1800 kgs.

Code No.: 6M-2001PNEUMATIC GRINDER

Specifications:

Maximum dia. of grinding wheel	150 mm.
Weight	6.7 kgs.
Over-all length	638 mm. (appr).
Air pressure	5 atm.
Air consumption	1.7 m ³ /min.
Power not less than	1.4 HP.
R.P.M. (Running idle)	4000 - 4500.
R.P.M. (at full load)	3000.
Inside Ø of hose	16 mm.

Code No.: 6M-3001DIESEL ENGINE

Specifications:

1. Type	Vertical, 4-stroke.
2. Rated output	90 H.P.
3. Number of cylinders	4.
4. Bore	160 mm.
5. Stroke	225 mm.
6. Compression ratio	16: 1
7. Speed	750 r.p.m.
8. Cooling method	Water.
9. Starting system	Air.
10. Net weight	1940 kgs.

Code NO.: 6M-3002DIESEL ENGINE

Specification:

Type	Vertical, 4-stroke
Rated output	300 H.P.
Number of cylinder	6.
Bore	250 mm.
Stroke	300 mm.
Compression ratio	15: 1
Speed	600 r.p.m.
Cooling method	Water.
Starting system	Air.
Net weight	6440 kgs.

Code No.: 6M-3003AIR COMPRESSOR, STATIONARY TYPE.

Specification:

Free air capacity	6 m ³ / min.
Delivery Pressure	7 atm.
Speed	730 r.p.m.
No. of compression stages	2
Motor.	40 kw, 730 r.p.m.
Overall dimensions (L x W x H)	2120x905x1261 mm.
Nett weight (including motor)	1360 kgs.

Code No.: 6m*3004AIR COMPRESSOR, STATIONARY TYPE

Specification:

Free air capacity	10 m ³ /min.
Delivery pressure	8 atm.
Speed	480 r.p.m.
No. of compression stages	2.
Motor .	80 kw, 1000rpm.
Overall dimensions (L x W x H)	1550x1700x1865 mm
Nett Weight:	2050 kgs.

Code No.: 614-3005Air Compressor, stationary type.

Specification:

Free air capacity	40 m ³ /min.
Air pressure	8 atm.
Speed	330 r.p.m.
No. of stages	2
Cooling	Water cooling
Motor	250 kw, 750 r.p.m.
Overall dimensions(L x W x H)	2550x3260x2470 mm
Nett weight:	8900 kg.

Code No.: 6M-3006

CENTRIFUGAL PUMP.

Specification:

Capacity 25, 35, 45 m³/h.

Head of delivery: 26.2, 25, 22.5 m.

Speed: 2900 r.p.m.

Electric motor: 4.5 kw.

Max. suction head: 7, 6.4, 5 m.

Code No.: 6M-3007CENTRIFUGAL PUMP.

Specification:

Capacity	32.4, 45.0, 52.2 m ³ /h.
Head of delivery	21.5, 18.8, 15.6 m.
Speed:	2900 r.p.m.
Electric motor:	4.5 kw.
Max. suction head:	6.5, 5.5, 5.0 m.

Code No.: GM-3008Centrifugal Pump.

Specification:

Capacity	30, 40, 50 m ³ /h.
Head of delivery:	48.5, 44, 37 m.
Speed:	2900 r.p.m.
Electric motor	10 kw.
Max. suction head	7.5, 7.5, 6.4 m.

Code No.: 6M-3009JAW CRUSHER.

Specifications:

Dimensions of the feed-opening 432 x 254 mm.
 Dimensions of the minerals to be fed 180 mm.
 Width of the outlet opening 35-65 mm.
 Capacity: (when limestone is to be crushed)
 when the outlet opening is 35 mm 11 tons/hr.
 when the outlet opening is 65 mm 21 tons/hr.
 Speed of the main shaft 250 r.p.m.
 Dimensions of the transmission wheel (Dia x Width) 800x300 mm.
 Motor:
 Power 16 kw.
 Speed 980 r.p.m.
 Overall dimensions (L x W x H) 2330x1701x1510mm.
 Weight: approx. 8000 kgs.

Code No.: 6M-3010JAW CRUSHER.

Specifications:

Dimensions of the feed-opening	250x175 mm.
Width of the outlet opening	20-50 mm.
Max. dimensions of ores to be crushed	120 mm.
Capacity: When the outlet opening is 20 mm	2 ton/hr.
When the outlet opening is 50 mm	5 ton/hr.
Size of pulley	Ø 850 x 180 mm.
Speed of the main shaft	250 r.p.m.
Motor:	
Power	4.5 kw.
Speed	980 r.p.m.
Overall dimensions (L x W x H)	1450x954x950 mm.
Weight (includes motor)	abt. 1800 kgs.

Code No.: 6M-3011HAMMER DRILL.

Specifications:

Rated power	2-2.8 H.P.
No. of strokes per min	1500-1700.
Air pressure	4-5 atm.
Hammering force	6-7kg-m.
Max. depth of drilling	4000 mm.
Overall dimensions (L x W) (without drill) . . .	600x461 mm.
Net weight	30.5 kg.

Code No.: 6M-3012PNEUMATIC PICK.

Specifications:

Rated power	0.8 H.P.
No. of stroke per min	950
Air pressure	4 atm.
Hammering force	3.5 kg-m.
Total length (without pick)	570 mm.
Net weight	10.6 kg.

Code No.: 6IM-4000

A. C. Arc. Welder

Specification :

Welding transformer, single phase, voltage 220/380 V.

Secondary winding no load voltage: 1st step 70 V.

2nd step 60 V.

Range of welding current: 1st step 50-220 A.

2nd step 200-450 A.

Input power: 21 kw.

Working power: 9.9 kw.

UNIVERSAL BAND SAW MACHINE

Specification:

1. Wheel diameter 800 mm.
2. Speed of wheel 800 r.p.m.
3. Max. sawing height 570 mm.
4. Max. sawing width 715 mm.
5. Max. width of sawing blade 35 mm.
6. Work table 940x790 mm.
7. Max. inclination of table 40° C.
8. Electric motor:
 - power 4.5 kw.
 - Speed 1500 rpm.
9. Overall dimension (L x W x H) 1809x943x2650mm.
10. Weight ... approx. 920 kgs.

Universal Circular Saw

Specification:

1. Work piece	
Max. height	120 mm.
Max. width	400 mm.
2. Max. diameter of saw blade	500 mm.
3. Speed of saw blade	2800 r.p.m.
4. Max. inclination of work table	45 C.
5. Lifting height of work table	100 mm.
6. Electric motor	
Power	5.1 kw.
Speed	3000 r.p.m.
7. Overall dimension (L x W x H)	1140x900x1150 mm.
8. Weight	approx. 500 kgs.

HANGING OSCILLATING CIRULAR SAW

Specification:

1. Max. sawing height	225 mm.
2. Max. sawing width	500 mm.
3. Diameter of sawing disc	650 mm.
4. Bore diameter of blade	, 35 mm.
5. Speed of sawing disc	1500 r.p.m.
6. Speed of belt of sawing disc	50 r.p.m.
7. Electric motor:	
Power	4.5 kw.
Speed	1500 r.p.m.
8. Weight	280 kgs.

Single Side Planing Machine

Specification:

- | | |
|----------------------------------|------------------|
| 1. Max. width of planing | 300 mm. |
| 2. Max. thickness of planing | 120 mm. |
| 3. Min. thickness | 5 mm. |
| 4. Overall dimension (L x W x H) | 600x840x1120 mm. |
| 5. Weight | Approx. 400 kgs. |

THREE SIDE PLANING MACHINE
(FOR WOOD-WORKING)

Specification:

I. Work Piece: Max. width	
Three sides	300 mm.
Surface	450 mm.
Min. width	50 mm.
Max. thickness	
Three sides	120 mm.
One side	150 mm.
2. Min. thickness of planing	10 mm.
3. Speed of feeding (two kinds)	6-9m/min.
4. Speed of cutter: Horizontal planing	20 m/sec.
Vertical planing	20 m/sec.
5. Drive	Belt.
6. Max. thickness of cutting	6 mm.
7. Diameter of horizontal & vertical planing	160 mm.
8. Speed of planing spindle	
Horizontal planing	3200 r.p.m.
Vertical planing	3500 r.p.m.
9. Electric motor	A. C.
power	7.0 kw.
Speed	1440 r.p.m.
10. Overall dimension (L x W x H)	1620x1460x1200 mm
11. Weight	Approx. 1300 kgs.

FOUR SIDE PLANING MACHINE
(FOR WOOD-WORKING)

Specification:

- | | |
|--|--------------------|
| I. Work piece Max. width | 300 mm. |
| Max. thickness | 125 mm. |
| Min. length | 400 mm. |
| 2. Number of cutter spindles | |
| Horizontal cutter spindles | 2 |
| Vertical cutter spindles | 2 |
| Spindle diameter | 180 mm. |
| Speed of spindle | 2900 r.p.m. |
| Moving space of vertical | |
| cutter spindle | 100 mm. |
| 3. Electric motor | A. C. |
| 4. Feeding of speed | 6,8,11,22&32. |
| 5. Overall dimension (L x W x H) | 2250x1350x1610 mm. |
| 6. Weight | Approx. 2700 kgs. |

COMPLETE EQUIPMENTS FOR MANUFACTURING ENAMELLED WARES

- (1) 40 Drawing Press (Pressure from both upward and downward): Output 2500 pcs of 34 or 36 cm Wash Basin per day of 8 hours.
- (2) 30 cm Drawing Press (pressure from both upward and downward): Output 4000 pcs bowls or 2000 pcs cups per day of 8 hours.
- (3) Spinning Machine for folding and polishing the edge of wash basin: length 84", Width 15", suitable for 34-36 cm wash basin.
- (4) 40 cm Shear: daily output 3000 pcs blank plates of 34-36 cm wash basins.
- (5) 30 cm Shear: daily output 3000 pcs blank plates of bowls.
- (6) NO. 3 Punch: daily output 4500 pcs of foot of bowls.
- (7) No. 4 Punch: daily output 4000 pcs of small parts.
- (8) Bench Roller: for folding foot of bowl.
- (9) 52" stone Grinder for grinding enamel power: maximum capacity 600 kgs.
- (10) 30" Stone Grinder for grinding coloured enamel power: maximum capacity 250 kgs.
- (11) Stone Grinder with sieves for grinding granite.
- (12) Crusher for crushing antimony.
- (13) Mixer: motor driven and made of wood, maximum capacity 350-400 kgs.
- (14) Spinning Machine: length 66", width 12", daily output 1500 pcs.
- (15) Dies: for 36 cm wash basins, 12 cm bowls and 9-10 cm cups.
- (16) 36 cm Press: daily output 2500 pcs.
- (17) Attachments of Spinning Machine: for cutting, folding and Polishing.
- (18) Folding Machine.

SILK BOLTING CLOTHS

Specification:

Uses: For Flour Mill Industry, Dyeing Industry, & Painting Industry.

Gauges: (1) GG 20,22, 26,28,30,32,38,40,42,44,46,48,52, 54.

(2) GG 56, 58, 60, 62, 64, 66, 68, 70, 72,.

(3) XX 0000, 000, 00, 0, 1.

(4) XX 2, 3, 4, 5, 6, 7, 8.

(5) XX 9.

(6) XX 10.

(7) XX 11.